

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN020521\
 Data File : VN065732.D
 Acq On : 5 Feb 2021 12:39
 Operator : JC/MD
 Sample : VN0205WBS01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0205WBS01

Manual Integrations
 APPROVED

MMDadoda
 2/8/2021 11:34:13 AM

Quant Time: Feb 05 22:45:50 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N012521W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jan 25 13:47:28 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.621	168	148431	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.547	114	253197	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.376	117	231828	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.315	152	99152	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.984	65	85780	43.93	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 87.86%			
35) Dibromofluoromethane	7.547	113	75083	50.04	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 100.08%			
50) Toluene-d8	10.055	98	291542	49.43	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 98.86%			
62) 4-Bromofluorobenzene	12.373	95	107950	50.83	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 101.66%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.836	85	30828	18.54	ug/l	98
3) Chloromethane	2.039	50	45541	18.64	ug/l	99
4) Vinyl Chloride	2.168	62	45486	18.38	ug/l	98
5) Bromomethane	2.537	94	27933	19.50	ug/l	97
6) Chloroethane	2.679	64	26231	18.33	ug/l	98
7) Trichlorofluoromethane	2.991	101	49335	19.07	ug/l	98
8) Diethyl Ether	3.377	74	22501	18.25	ug/l	94
9) 1,1,2-Trichlorotrifluo...	3.714	101	30294	19.30	ug/l	97
10) Methyl Iodide	3.904	142	45089	19.60	ug/l	96
11) Tert butyl alcohol	4.762	59	30001	82.02	ug/l	97
12) 1,1-Dichloroethene	3.692	96	30820	17.06	ug/l	95
13) Acrolein	3.566	56	25350	92.48	ug/l	95
14) Allyl chloride	4.270	41	57801	17.25	ug/l	89
15) Acrylonitrile	4.939	53	84189	88.35	ug/l	99
16) Acetone	3.779	43	64488	84.83	ug/l	97
17) Carbon Disulfide	3.997	76	86893	15.27	ug/l	98
18) Methyl Acetate	4.283	43	38124	17.90	ug/l	99
19) Methyl tert-butyl Ether	4.997	73	105686	17.52	ug/l	97
20) Methylene Chloride	4.492	84	37533	17.83	ug/l	96
21) trans-1,2-Dichloroethene	4.981	96	33341	17.36	ug/l	93
22) Diisopropyl ether	5.907	45	121411	17.73	ug/l	96
23) Vinyl Acetate	5.846	43	460275	84.15	ug/l	98
24) 1,1-Dichloroethane	5.788	63	66111	18.11	ug/l	97
25) 2-Butanone	6.794	43	106016	88.94	ug/l	96
26) 2,2-Dichloropropane	6.769	77	50099	17.15	ug/l	100
27) cis-1,2-Dichloroethene	6.778	96	39925	18.14	ug/l	94
28) Bromochloromethane	7.145	49	23665	15.43	ug/l	84
29) Tetrahydrofuran	7.171	42	72690	84.08	ug/l	96
30) Chloroform	7.325	83	61826	18.39	ug/l	100
31) Cyclohexane	7.608	56	63059	17.17	ug/l	96
32) 1,1,1-Trichloroethane	7.524	97	48903	17.87	ug/l	98
36) 1,1-Dichloropropene	7.746	75	48823	19.16	ug/l	97
37) Ethyl Acetate	6.885	43	45074	18.44	ug/l	97
38) Carbon Tetrachloride	7.727	117	39978	19.06	ug/l	99
39) Methylcyclohexane	9.042	83	56199	18.08	ug/l	93
40) Benzene	7.997	78	153704	19.75	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.126	41	21618	16.47	ug/l #	100
42) 1,2-Dichloroethane	8.084	62	46029	19.62	ug/l	98
43) Isopropyl Acetate	8.129	43	76450	17.64	ug/l #	92
44) Trichloroethene	8.798	130	38231	20.25	ug/l	99
45) 1,2-Dichloropropane	9.081	63	42498	19.85	ug/l	99
46) Dibromomethane	9.171	93	23803	20.13	ug/l	93
47) Bromodichloromethane	9.367	83	46757	18.43	ug/l	95
48) Methyl methacrylate	9.164	41	36240	17.63	ug/l	92
49) 1,4-Dioxane	9.167	88	12968	389.75	ug/l	90
51) 4-Methyl-2-Pentanone	9.952	43	226679	94.87	ug/l	99
52) Toluene	10.122	92	92287	20.02	ug/l	98
53) t-1,3-Dichloropropene	10.351	75	53363	18.06	ug/l	98
54) cis-1,3-Dichloropropene	9.804	75	61464	18.68	ug/l	96
55) 1,1,2-Trichloroethane	10.531	97	36487	20.76	ug/l	97
56) Ethyl methacrylate	10.399	69	55575	19.12	ug/l	96
57) 1,3-Dichloropropane	10.675	76	62912	20.33	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.659	63	113594	84.60	ug/l	95
59) 2-Hexanone	10.720	43	156249	94.19	ug/l	98
60) Dibromochloromethane	10.868	129	34596	19.25	ug/l	100
61) 1,2-Dibromoethane	10.974	107	36026	20.56	ug/l	100
64) Tetrachloroethene	10.598	164	38005	19.56	ug/l	96
65) Chlorobenzene	11.402	112	96301	19.86	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.479	131	33386	19.47	ug/l	98
67) Ethyl Benzene	11.479	91	172514	18.94	ug/l	99
68) m/p-Xylenes	11.592	106	131506	39.87	ug/l	98
69) o-Xylene	11.916	106	63216	19.78	ug/l	99
70) Styrene	11.933	104	102607	19.50	ug/l	99
71) Bromoform	12.097	173	21297	17.97	ug/l #	98
73) Isopropylbenzene	12.219	105	164761	18.98	ug/l	100
74) N-amyl acetate	12.042	43	61486	16.74	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.473	83	49622	19.35	ug/l	99
76) 1,2,3-Trichloropropane	12.524	75	47431m	18.29	ug/l	
77) Bromobenzene	12.495	156	37322	19.85	ug/l	82
78) n-propylbenzene	12.563	91	185925	18.17	ug/l	99
79) 2-Chlorotoluene	12.643	91	111238	18.31	ug/l	97
80) 1,3,5-Trimethylbenzene	12.704	105	137578	18.61	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.270	75	15765	15.57	ug/l	95
82) 4-Chlorotoluene	12.743	91	113404	18.28	ug/l	97
83) tert-Butylbenzene	12.965	119	114772	18.62	ug/l	100
84) 1,2,4-Trimethylbenzene	13.010	105	135951	18.44	ug/l	99
85) sec-Butylbenzene	13.141	105	151307	18.18	ug/l	98
86) p-Isopropyltoluene	13.260	119	135881	18.49	ug/l	98
87) 1,3-Dichlorobenzene	13.254	146	65039	19.41	ug/l	96
88) 1,4-Dichlorobenzene	13.334	146	64884	19.08	ug/l	98
89) n-Butylbenzene	13.585	91	114364	17.33	ug/l	99
90) Hexachloroethane	13.846	117	21786	16.95	ug/l	95
91) 1,2-Dichlorobenzene	13.624	146	65307	19.64	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.241	75	8037	15.80	ug/l	90
93) 1,2,4-Trichlorobenzene	14.878	180	29779	17.15	ug/l	98
94) Hexachlorobutadiene	14.977	225	14939	18.31	ug/l	99
95) Naphthalene	15.100	128	89486	16.42	ug/l	99
96) 1,2,3-Trichlorobenzene	15.280	180	29917	17.06	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

MMDadoda
2/8/2021 11:34:13 AM

Abundance

TIC: VN065732.D\data.ms

Time-->

2.00 3.00 4.00 5.00 6.00 7.00 8.00 9.00 10.00 11.00 12.00 13.00 14.00 15.00 16.00

460000
440000
420000
400000
380000
360000
340000
320000
300000
280000
260000
240000
220000
200000
180000
160000
140000
120000
100000
80000
60000
40000
20000
0

Dichlorodifluoromethane, T
Chloromethane, P
Vinyl Chloride, C
Bromomethane, T
Chloroethane, T
Trichlorofluoromethane, T
Diethyl Ether, T
Acrolein, T
Acetone, T
Methyl Carbon Disulfide, T
Methyl Acetate, T
Methylene Chloride, T
Tert butyl alcohol, T
Acrylonitrile, T
Methyl 2-bromopropionate, T
1,1-Dichloroethane, P
Vinyl Acetate, T
Diisopropyl ether, T
Ethyl Acetate, T
Methacrylonitrile, T
Chloroform, C
1,1,1-Trichloroethane, S
1,1,2-Trichloroethane, T
1,2-Dichloropropane, T
1,2-Dichloroethane, T
Trichloroethene, TM
1,2-Dichloropropane, T
1,2-Dichloroethane, T
Bromodichloromethane, T
cis-1,3-Dichloropropene, T
t-1,3-Dichloropropane, T
1,1,2-Trichloroethane, T
1,3-Dichloropropane, T
1,2-Dibromochloroethane, T
1,2-Dibromochloroethane, T
Chlorobenzene, PM
Ethyl Benzene, T
m,p-Xylenes, T
N-ethyl acetate, T
Bromotoluene, P
trans-1,4-Dichloro-2-butene, T
1,2,3-Trichlorobenzene, P
1,2,4-Trichlorobenzene, T
4-Chlorotoluene, T
Bromobenzene, T
n-propylbenzene, T
1,3,5-Trimethylbenzene, T
tert-Butylbenzene, T
sec-Butylbenzene, T
1,4-Dichlorobenzene, T
1,2-Dichlorobenzene, T
Hexachloroethane, T
1,2-Dibromo-3-Chloropropane, T
1,2,4-Trichlorobenzene, T
Hexachlorobutadiene, T
Naphthalene, T
1,2,3-Trichlorobenzene, T