

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN012521\
 Data File : VN065568.D
 Acq On : 25 Jan 2021 10:47
 Operator : JC/MD
 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 1/26/2021 5:19:42 PM

Quant Time: Jan 25 12:05:35 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N012521W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jan 25 12:03:10 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.624	168	164029	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.547	114	297496	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.376	117	255954	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.315	152	98387	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.991	65	11949	6.02	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	12.04%#
35) Dibromofluoromethane	7.547	113	9424	5.14	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	10.28%#
50) Toluene-d8	10.058	98	38321	5.45	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	10.90%#
62) 4-Bromofluorobenzene	12.373	95	12933	5.26	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	10.52%#

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.837	85	9200	4.91	ug/l	100
3) Chloromethane	2.036	50	14216	6.36	ug/l	99
4) Vinyl Chloride	2.168	62	14088	6.27	ug/l	99
5) Bromomethane	2.538	94	8233	5.57	ug/l	98
6) Chloroethane	2.679	64	8208	5.72	ug/l	91
7) Trichlorofluoromethane	2.991	101	15154	5.35	ug/l	99
8) Diethyl Ether	3.377	74	7224	6.48	ug/l	84
9) 1,1,2-Trichlorotrifluo...	3.718	101	8867	5.39	ug/l	97
10) Methyl Iodide	3.907	142	12318	4.86	ug/l	97
11) Tert butyl alcohol	4.759	59	10529	39.42	ug/l #	73
12) 1,1-Dichloroethene	3.695	96	10509	6.27	ug/l	97
13) Acrolein	3.573	56	4467	20.87	ug/l	92
14) Allyl chloride	4.274	41	19381	7.19	ug/l	98
15) Acrylonitrile	4.943	53	26346	32.55	ug/l	97
16) Acetone	3.779	43	22236	32.32	ug/l	96
17) Carbon Disulfide	4.007	76	30075	6.30	ug/l	98
18) Methyl Acetate	4.283	43	12613	6.83	ug/l	93
19) Methyl tert-butyl Ether	4.994	73	35965	6.69	ug/l	94
20) Methylene Chloride	4.499	84	12691	6.06	ug/l	98
21) trans-1,2-Dichloroethene	4.991	96	11233	6.20	ug/l	96
22) Diisopropyl ether	5.907	45	40675	7.12	ug/l	93
23) Vinyl Acetate	5.846	43	157552	34.24	ug/l	98
24) 1,1-Dichloroethane	5.795	63	21913	6.76	ug/l	98
25) 2-Butanone	6.798	43	34705	33.82	ug/l	95
26) 2,2-Dichloropropane	6.772	77	17701	6.95	ug/l	99
27) cis-1,2-Dichloroethene	6.782	96	12892	6.23	ug/l	94
28) Bromochloromethane	7.148	49	9369	6.75	ug/l #	79
29) Tetrahydrofuran	7.171	42	25998	37.25	ug/l	91
30) Chloroform	7.332	83	19526	5.95	ug/l	100
31) Cyclohexane	7.611	56	23670	7.48	ug/l #	90
32) 1,1,1-Trichloroethane	7.521	97	16370	6.02	ug/l	98
36) 1,1-Dichloropropene	7.753	75	15521	5.70	ug/l	96
37) Ethyl Acetate	6.888	43	16409	6.63	ug/l	99
38) Carbon Tetrachloride	7.730	117	13075	5.01	ug/l	90
39) Methylcyclohexane	9.042	83	18682	5.78	ug/l	97
40) Benzene	8.000	78	48994	5.76	ug/l	99
41) Methacrylonitrile	7.129	41	7791	6.42	ug/l #	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 1,2-Dichloroethane	8.084	62	14979	5.36	ug/l	98
43) Isopropyl Acetate	8.129	43	25505	6.19	ug/l	93
44) Trichloroethene	8.798	130	11812	5.04	ug/l	99
45) 1,2-Dichloropropane	9.081	63	13845	6.38	ug/l	97
46) Dibromomethane	9.174	93	7242	5.04	ug/l	92
47) Bromodichloromethane	9.367	83	16051	5.76	ug/l	97
48) Methyl methacrylate	9.164	41	12211	6.25	ug/l	98
49) 1,4-Dioxane	9.174	88	4249	141.24	ug/l #	78
51) 4-Methyl-2-Pentanone	9.952	43	74297	30.68	ug/l	99
52) Toluene	10.122	92	29151	5.60	ug/l	96
53) t-1,3-Dichloropropene	10.351	75	18003	5.89	ug/l	100
54) cis-1,3-Dichloropropene	9.804	75	20094	5.97	ug/l	98
55) 1,1,2-Trichloroethane	10.531	97	10905	5.31	ug/l	94
56) Ethyl methacrylate	10.399	69	17732	6.10	ug/l	97
57) 1,3-Dichloropropane	10.675	76	18886	5.59	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.663	63	41453	30.73	ug/l	91
59) 2-Hexanone	10.724	43	50601	29.35	ug/l	99
60) Dibromochloromethane	10.872	129	11040	5.08	ug/l	95
61) 1,2-Dibromoethane	10.974	107	10751	5.10	ug/l	99
64) Tetrachloroethene	10.598	164	11924	5.15	ug/l	95
65) Chlorobenzene	11.402	112	28383	5.34	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.476	131	9991	5.16	ug/l	94
67) Ethyl Benzene	11.479	91	53600	5.74	ug/l	100
68) m/p-Xylenes	11.592	106	38373	10.81	ug/l	95
69) o-Xylene	11.917	106	19122	5.60	ug/l	95
70) Styrene	11.933	104	29784	5.33	ug/l	98
71) Bromoform	12.097	173	6736	4.73	ug/l #	99
73) Isopropylbenzene	12.219	105	49326	6.72	ug/l	98
74) N-ethyl acetate	12.042	43	19150	7.04	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.476	83	14506	6.81	ug/l	98
76) 1,2,3-Trichloropropane	12.521	75	15416m	7.54	ug/l	
77) Bromobenzene	12.495	156	10514	5.52	ug/l	73
78) n-propylbenzene	12.560	91	55436	6.58	ug/l	95
79) 2-Chlorotoluene	12.643	91	33997	6.76	ug/l	94
80) 1,3,5-Trimethylbenzene	12.701	105	41303	6.59	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.270	75	5319	7.85	ug/l	97
82) 4-Chlorotoluene	12.743	91	33353	6.44	ug/l	93
83) tert-Butylbenzene	12.965	119	35229	6.62	ug/l	99
84) 1,2,4-Trimethylbenzene	13.010	105	41114	6.62	ug/l	100
85) sec-Butylbenzene	13.142	105	45330	6.46	ug/l	98
86) p-Isopropyltoluene	13.261	119	39111	6.16	ug/l	98
87) 1,3-Dichlorobenzene	13.254	146	17479	5.21	ug/l	94
88) 1,4-Dichlorobenzene	13.335	146	17368	5.11	ug/l	93
89) n-Butylbenzene	13.585	91	34144	6.22	ug/l	96
90) Hexachloroethane	13.843	117	6804	6.40	ug/l	98
91) 1,2-Dichlorobenzene	13.624	146	17717	5.29	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.241	75	2527	6.61	ug/l	86
93) 1,2,4-Trichlorobenzene	14.878	180	6668	4.09	ug/l	98
94) Hexachlorobutadiene	14.978	225	4686	5.02	ug/l	97
95) Naphthalene	15.103	128	21235	4.57	ug/l	99
96) 1,2,3-Trichlorobenzene	15.283	180	7110	4.33	ug/l	95

(#) = qualifier out of range (m) = manual integration (+) = signals summed