

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052821\
 Data File : VN067181.D
 Acq On : 28 May 2021 14:28
 Operator : JC/MD
 Sample : VN0528WBS01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0528WBS01

Manual Integrations
 APPROVED

MMDadoda
 6/1/2021 12:13:30 PM

Quant Time: May 29 02:19:35 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N052121W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 21 17:24:08 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.578	168	234276	50.00	ug/l	#-0.02
34) 1,4-Difluorobenzene	8.509	114	441336	50.00	ug/l	-0.02
63) Chlorobenzene-d5	11.343	117	393264	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	13.283	152	172366	50.00	ug/l	-0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.940	65	176732	48.61	ug/l	-0.02
Spiked Amount 50.000	Range 61 - 141		Recovery =	97.22%		
35) Dibromofluoromethane	7.500	113	135395	49.99	ug/l	-0.02
Spiked Amount 50.000	Range 69 - 133		Recovery =	99.98%		
50) Toluene-d8	10.021	98	525873	50.45	ug/l	-0.01
Spiked Amount 50.000	Range 65 - 126		Recovery =	100.90%		
62) 4-Bromofluorobenzene	12.341	95	193575	54.32	ug/l	-0.01
Spiked Amount 50.000	Range 58 - 135		Recovery =	108.64%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.828	85	58658	19.59	ug/l	95
3) Chloromethane	2.026	50	69759	16.62	ug/l	98
4) Vinyl Chloride	2.155	62	67296	18.68	ug/l	99
5) Bromomethane	2.509	94	34485	17.68	ug/l	94
6) Chloroethane	2.651	64	36709	19.02	ug/l	98
7) Trichlorofluoromethane	2.962	101	81514	19.01	ug/l	99
8) Diethyl Ether	3.346	74	36953	18.64	ug/l	77
9) 1,1,2-Trichlorotrifluo...	3.686	101	54373	20.03	ug/l #	60
10) Methyl Iodide	3.877	142	58519	14.65	ug/l	92
11) Tert butyl alcohol	4.687	59	49783	64.99	ug/l #	93
12) 1,1-Dichloroethene	3.662	96	53653	19.07	ug/l	89
13) Acrolein	3.536	56	43013	67.55	ug/l	91
14) Allyl chloride	4.234	41	112126	18.13	ug/l #	93
15) Acrylonitrile	4.880	53	127796	81.14	ug/l	98
16) Acetone	3.740	43	127605	85.38	ug/l	95
17) Carbon Disulfide	3.973	76	160351	18.55	ug/l	100
18) Methyl Acetate	4.239	43	72393	17.35	ug/l #	89
19) Methyl tert-butyl Ether	4.936	73	171477	18.31	ug/l	95
20) Methylene Chloride	4.456	84	63958	17.41	ug/l #	89
21) trans-1,2-Dichloroethene	4.939	96	57546	18.75	ug/l	87
22) Diisopropyl ether	5.845	45	198455	18.57	ug/l #	88
23) Vinyl Acetate	5.792	43	858235	87.47	ug/l #	93
24) 1,1-Dichloroethane	5.741	63	116879	18.90	ug/l	97
25) 2-Butanone	6.730	43	188817	79.48	ug/l	92
26) 2,2-Dichloropropane	6.717	77	98835	18.81	ug/l	99
27) cis-1,2-Dichloroethene	6.725	96	66702	18.70	ug/l	88
28) Bromochloromethane	7.098	49	55403	18.50	ug/l #	70
29) Tetrahydrofuran	7.114	42	120888	78.44	ug/l #	83
30) Chloroform	7.280	83	110587	18.34	ug/l	100
31) Cyclohexane	7.565	56	101396	18.02	ug/l	90
32) 1,1,1-Trichloroethane	7.479	97	96215	18.64	ug/l	97
36) 1,1-Dichloropropene	7.707	75	82820	18.56	ug/l	97
37) Ethyl Acetate	6.832	43	79746	16.21	ug/l	95
38) Carbon Tetrachloride	7.685	117	77737	17.88	ug/l	98
39) Methylcyclohexane	9.007	83	95897	19.56	ug/l	90
40) Benzene	7.959	78	257828	18.90	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.087	41	39606m	16.79	ug/l	
42) 1,2-Dichloroethane	8.039	62	84231	18.14	ug/l	99
43) Isopropyl Acetate	8.082	43	141351	16.56	ug/l #	92
44) Trichloroethene	8.761	130	59211	19.39	ug/l	83
45) 1,2-Dichloropropane	9.042	63	68393	18.37	ug/l	98
46) Dibromomethane	9.134	93	40891	17.94	ug/l #	82
47) Bromodichloromethane	9.329	83	86993	18.35	ug/l	98
48) Methyl methacrylate	9.128	41	60897	16.06	ug/l	89
49) 1,4-Dioxane	9.131	88	15567	330.01	ug/l #	85
51) 4-Methyl-2-Pentanone	9.911	43	389248	82.34	ug/l	92
52) Toluene	10.086	92	156734	19.07	ug/l	98
53) t-1,3-Dichloropropene	10.316	75	93119	18.45	ug/l	99
54) cis-1,3-Dichloropropene	9.769	75	105175	18.58	ug/l #	89
55) 1,1,2-Trichloroethane	10.493	97	59384	18.70	ug/l	96
56) Ethyl methacrylate	10.365	69	85170	17.12	ug/l #	85
57) 1,3-Dichloropropane	10.638	76	99193	17.99	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.624	63	111581	150.91	ug/l	91
59) 2-Hexanone	10.689	43	235535	79.63	ug/l	91
60) Dibromochloromethane	10.834	129	59339	18.04	ug/l	100
61) 1,2-Dibromoethane	10.938	107	56153	17.91	ug/l	100
64) Tetrachloroethene	10.566	164	48836	18.18	ug/l	92
65) Chlorobenzene	11.368	112	153323	19.09	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.443	131	54322	17.78	ug/l	98
67) Ethyl Benzene	11.448	91	291026	19.33	ug/l	96
68) m/p-Xylenes	11.558	106	219786	41.24	ug/l	92
69) o-Xylene	11.885	106	106303	19.37	ug/l	89
70) Styrene	11.904	104	168961	19.36	ug/l	96
71) Bromoform	12.065	173	35802	17.61	ug/l #	99
73) Isopropylbenzene	12.188	105	281718	16.70	ug/l	97
74) N-amyl acetate	12.027	43	39812	12.50	ug/l #	84
75) 1,1,2,2-Tetrachloroethane	12.443	83	88592	15.78	ug/l	98
76) 1,2,3-Trichloropropane	12.491	75	79171m	16.50	ug/l	
77) Bromobenzene	12.465	156	61998	18.11	ug/l	76
78) n-propylbenzene	12.529	91	336627	18.59	ug/l	92
79) 2-Chlorotoluene	12.612	91	200465	17.10	ug/l	92
80) 1,3,5-Trimethylbenzene	12.671	105	244588	17.58	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.242	75	21016	17.94	ug/l #	92
82) 4-Chlorotoluene	12.711	91	195385	18.59	ug/l	93
83) tert-Butylbenzene	12.931	119	200398	16.06	ug/l	91
84) 1,2,4-Trimethylbenzene	12.979	105	235586	18.71	ug/l	94
85) sec-Butylbenzene	13.108	105	289265	18.49	ug/l	95
86) p-Isopropyltoluene	13.229	119	244500	20.00	ug/l	95
87) 1,3-Dichlorobenzene	13.224	146	112777	19.79	ug/l	96
88) 1,4-Dichlorobenzene	13.301	146	112980	18.61	ug/l	95
89) n-Butylbenzene	13.556	91	221558	21.87	ug/l	96
90) Hexachloroethane	13.808	117	37512	14.94	ug/l	71
91) 1,2-Dichlorobenzene	13.596	146	109713	20.20	ug/l	95
92) 1,2-Dibromo-3-Chloropr...	14.216	75	14451	15.45	ug/l	70
93) 1,2,4-Trichlorobenzene	14.851	180	54252	20.38	ug/l	98
94) Hexachlorobutadiene	14.945	225	30028	19.99	ug/l	97
95) Naphthalene	15.071	128	133919	17.99	ug/l	98
96) 1,2,3-Trichlorobenzene	15.248	180	49872	20.20	ug/l	96

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

