

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN083022\
 Data File : VN074201.D
 Acq On : 31 Aug 2022 06:17
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 08/31/2022
 Supervised By : Semsettin Yesilyurt 08/31/2022

Quant Time: Aug 31 07:13:11 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N083022W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 31 07:02:40 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.016	168	191286	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	359954	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	334775	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.616	152	158450	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	164597	55.470	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 110.940%			
35) Dibromofluoromethane	7.951	113	120532	51.459	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.920%			
50) Toluene-d8	10.380	98	498335	54.024	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 108.040%			
62) 4-Bromofluorobenzene	12.669	95	165850	59.124	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 118.240%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.046	85	100341	50.696	ug/l	98
3) Chloromethane	2.269	50	160144	57.443	ug/l	99
4) Vinyl Chloride	2.405	62	161585	58.329	ug/l	95
5) Bromomethane	2.787	94	78916	52.105	ug/l	94
6) Chloroethane	2.957	64	109783	60.591	ug/l	96
7) Trichlorofluoromethane	3.310	101	191789	45.288	ug/l	96
8) Diethyl Ether	3.763	74	86128	47.823	ug/l	67
9) 1,1,2-Trichlorotrifluo...	4.146	101	108291	44.776	ug/l	92
10) Methyl Iodide	4.346	142	111765	57.255	ug/l	91
11) Tert butyl alcohol	5.287	59	190676	287.109	ug/l	99
12) 1,1-Dichloroethene	4.110	96	108061	48.183	ug/l	85
13) Acrolein	3.987	56	162011	246.988	ug/l	97
14) Allyl chloride	4.757	41	252493	50.486	ug/l #	91
15) Acrylonitrile	5.475	53	555350	259.063	ug/l	99
16) Acetone	4.222	43	497438	250.877	ug/l	94
17) Carbon Disulfide	4.457	76	316278	49.552	ug/l	100
18) Methyl Acetate	4.775	43	288070	57.683	ug/l #	87
19) Methyl tert-butyl Ether	5.528	73	438019	52.800	ug/l	94
20) Methylene Chloride	5.010	84	143030	53.933	ug/l #	84
21) trans-1,2-Dichloroethene	5.510	96	120475	46.542	ug/l	94
22) Diisopropyl ether	6.410	45	558390	54.800	ug/l #	94
23) Vinyl Acetate	6.351	43	2446212	284.340	ug/l #	90
24) 1,1-Dichloroethane	6.304	63	264066	52.532	ug/l	98
25) 2-Butanone	7.257	43	837438	264.017	ug/l #	87
26) 2,2-Dichloropropane	7.245	77	88760	27.503	ug/l	95
27) cis-1,2-Dichloroethene	7.251	96	148073	51.215	ug/l	97
28) Bromochloromethane	7.587	49	98708	59.102	ug/l #	66
29) Tetrahydrofuran	7.610	42	571401	282.865	ug/l #	85
30) Chloroform	7.745	83	263292	51.381	ug/l	89
31) Cyclohexane	8.022	56	262984	53.640	ug/l	85
32) 1,1,1-Trichloroethane	7.939	97	207601	52.678	ug/l	95
36) 1,1-Dichloropropene	8.151	75	191653	50.429	ug/l	96
37) Ethyl Acetate	7.340	43	317412	49.941	ug/l #	94
38) Carbon Tetrachloride	8.134	117	172094	49.719	ug/l	95
39) Methylcyclohexane	9.392	83	218728	49.028	ug/l	92
40) Benzene	8.392	78	621688	52.098	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.569	41	163426	55.705	ug/l #	75
42) 1,2-Dichloroethane	8.463	62	204195	48.084	ug/l	99
43) Isopropyl Acetate	8.498	43	470354	55.050	ug/l #	90
44) Trichloroethene	9.151	130	131281	49.233	ug/l	91
45) 1,2-Dichloropropane	9.428	63	171560	53.249	ug/l	100
46) Dibromomethane	9.516	93	102456	47.614	ug/l	89
47) Bromodichloromethane	9.698	83	202181	47.947	ug/l #	96
48) Methyl methacrylate	9.498	41	203721	50.195	ug/l	90
49) 1,4-Dioxane	9.510	88	83285	951.160	ug/l #	86
51) 4-Methyl-2-Pentanone	10.269	43	1648415	265.831	ug/l	89
52) Toluene	10.445	92	380262	54.064	ug/l	99
53) t-1,3-Dichloropropene	10.657	75	191202	47.823	ug/l	98
54) cis-1,3-Dichloropropene	10.128	75	215911	48.237	ug/l #	86
55) 1,1,2-Trichloroethane	10.839	97	149480	49.132	ug/l	94
56) Ethyl methacrylate	10.704	69	253882	55.054	ug/l #	80
57) 1,3-Dichloropropane	10.986	76	268338	50.750	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.980	63	631847	270.854	ug/l	90
59) 2-Hexanone	11.028	43	1271781	270.257	ug/l	88
60) Dibromochloromethane	11.180	129	147966	51.924	ug/l	98
61) 1,2-Dibromoethane	11.286	107	154921	53.290	ug/l	99
64) Tetrachloroethene	10.916	164	110904	45.736	ug/l	91
65) Chlorobenzene	11.710	112	376827	50.022	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.780	131	135398	50.568	ug/l	98
67) Ethyl Benzene	11.786	91	721878	53.398	ug/l	99
68) m/p-Xylenes	11.892	106	537776	107.082	ug/l	95
69) o-Xylene	12.222	106	264701	52.897	ug/l	97
70) Styrene	12.233	104	449043	56.325	ug/l	99
71) Bromoform	12.398	173	108368	47.782	ug/l #	98
73) Isopropylbenzene	12.516	105	693152	51.081	ug/l	97
74) N-amyl acetate	12.327	43	390275	50.834	ug/l #	89
75) 1,1,2,2-Tetrachloroethane	12.769	83	261560	46.479	ug/l	98
76) 1,2,3-Trichloropropane	12.822	75	210411m	55.949	ug/l	
77) Bromobenzene	12.798	156	154200	48.580	ug/l	85
78) n-propylbenzene	12.857	91	828268	53.548	ug/l	96
79) 2-Chlorotoluene	12.945	91	481835	50.857	ug/l	98
80) 1,3,5-Trimethylbenzene	12.998	105	581090	52.655	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.569	75	63046	41.300	ug/l	90
82) 4-Chlorotoluene	13.045	91	459539	50.127	ug/l	99
83) tert-Butylbenzene	13.263	119	493976	52.327	ug/l	97
84) 1,2,4-Trimethylbenzene	13.304	105	565916	53.133	ug/l	99
85) sec-Butylbenzene	13.439	105	720656	54.421	ug/l	98
86) p-Isopropyltoluene	13.557	119	577860	56.081	ug/l	98
87) 1,3-Dichlorobenzene	13.551	146	290603	51.359	ug/l	98
88) 1,4-Dichlorobenzene	13.633	146	281773	48.136	ug/l	99
89) n-Butylbenzene	13.880	91	493193	54.958	ug/l	96
90) Hexachloroethane	14.151	117	105052	49.453	ug/l	81
91) 1,2-Dichlorobenzene	13.927	146	294807	49.426	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.539	75	54687	48.620	ug/l	87
93) 1,2,4-Trichlorobenzene	15.198	180	150223	51.489	ug/l	99
94) Hexachlorobutadiene	15.298	225	62404	43.494	ug/l	97
95) Naphthalene	15.433	128	599520	49.866	ug/l	99
96) 1,2,3-Trichlorobenzene	15.621	180	157780	52.204	ug/l	96

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

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