

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX110122\
 Data File : VX032519.D
 Acq On : 01 Nov 2022 17:31
 Operator : JC/MD
 Sample : N4955-07
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 LOD-MDL-WATER-01-QT4-2022

Quant Time: Nov 02 06:23:26 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102622W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 02 06:18:44 2022
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By : John Carlone 11/02/2022
 Supervised By : Mahesh Dadoda 11/02/2022

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	110555	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	176148	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	155479	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	73329	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	76509	49.806	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	99.620%		
35) Dibromofluoromethane	5.391	113	61460	48.914	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	97.820%		
50) Toluene-d8	8.647	98	209779	48.015	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	96.020%		
62) 4-Bromofluorobenzene	11.079	95	78339	45.902	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	91.800%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	723	0.567	ug/l	92
3) Chloromethane	1.294	50	706	0.655	ug/l #	87
4) Vinyl Chloride	1.374	62	792	0.667	ug/l	100
5) Bromomethane	1.611	94	907	0.956	ug/l	90
6) Chloroethane	1.685	64	574	0.721	ug/l #	87
7) Trichlorofluoromethane	1.892	101	1711	0.761	ug/l	96
8) Diethyl Ether	2.136	74	559	0.767	ug/l	86
9) 1,1,2-Trichlorotrifluo...	2.331	101	884	0.745	ug/l	92
10) Methyl Iodide	2.453	142	815	0.661	ug/l #	89
11) Tert butyl alcohol	2.971	59	1333	5.962	ug/l #	72
12) 1,1-Dichloroethene	2.319	96	846	0.763	ug/l	89
13) Acrolein	2.233	56	712	3.190	ug/l	97
14) Allyl chloride	2.666	41	1224	0.693	ug/l #	85
15) Acrylonitrile	3.069	53	2191	3.611	ug/l	92
16) Acetone	2.386	43	2216	3.969	ug/l	96
17) Carbon Disulfide	2.514	76	1453	0.550	ug/l #	92
18) Methyl Acetate	2.703	43	1398	0.770	ug/l #	90
19) Methyl tert-butyl Ether	3.111	73	2860	0.734	ug/l	91
20) Methylene Chloride	2.800	84	1394	1.089	ug/l #	66
21) trans-1,2-Dichloroethene	3.093	96	902	0.747	ug/l	84
22) Diisopropyl ether	3.764	45	2773	0.725	ug/l	87
23) Vinyl Acetate	3.727	43	10067	3.259	ug/l #	91
24) 1,1-Dichloroethane	3.611	63	1503	0.684	ug/l #	88
25) 2-Butanone	4.580	43	3121	3.608	ug/l #	88
26) 2,2-Dichloropropane	4.483	77	1223	0.700	ug/l	80
27) cis-1,2-Dichloroethene	4.489	96	1027	0.736	ug/l	94
28) Bromochloromethane	4.897	49	638	0.815	ug/l #	68
29) Tetrahydrofuran	5.032	42	1885	3.418	ug/l #	81
30) Chloroform	5.093	83	1833	0.760	ug/l	97
31) Cyclohexane	5.477	56	1206	0.648	ug/l #	81
32) 1,1,1-Trichloroethane	5.391	97	1609	0.743	ug/l #	51
36) 1,1-Dichloropropene	5.690	75	1294	0.740	ug/l #	84
37) Ethyl Acetate	4.727	43	1310	0.719	ug/l #	73
38) Carbon Tetrachloride	5.678	117	1367	0.704	ug/l	85
39) Methylcyclohexane	7.385	83	1361	0.657	ug/l	89
40) Benzene	6.038	78	3646	0.736	ug/l	99

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41) Methacrylonitrile	4.922	41	612m	0.660	ug/l	
42) 1,2-Dichloroethane	6.105	62	1568	0.775	ug/l #	77
43) Isopropyl Acetate	6.361	43	1931	0.691	ug/l #	91
44) Trichloroethene	7.129	130	1025	0.735	ug/l	85
45) 1,2-Dichloropropane	7.434	63	877	0.690	ug/l #	67
46) Dibromomethane	7.580	93	755	0.775	ug/l	90
47) Bromodichloromethane	7.830	83	1309	0.709	ug/l #	85
48) Methyl methacrylate	7.702	41	944	0.654	ug/l	95
49) 1,4-Dioxane	7.696	88	320	11.626	ug/l #	72
51) 4-Methyl-2-Pentanone	8.574	43	6094	3.460	ug/l	100
52) Toluene	8.714	92	2353	0.728	ug/l	98
53) t-1,3-Dichloropropene	8.988	75	1057	0.561	ug/l	90
54) cis-1,3-Dichloropropene	8.366	75	1353	0.671	ug/l	98
55) 1,1,2-Trichloroethane	9.153	97	936	0.688	ug/l #	90
56) Ethyl methacrylate	9.116	69	1277	0.652	ug/l	92
57) 1,3-Dichloropropane	9.317	76	1598	0.727	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.244	63	3144	3.335	ug/l	99
59) 2-Hexanone	9.439	43	4269	3.266	ug/l	96
60) Dibromochloromethane	9.525	129	1096	0.738	ug/l	93
61) 1,2-Dibromoethane	9.616	107	863	0.599	ug/l	87
64) Tetrachloroethene	9.269	164	840	0.738	ug/l #	83
65) Chlorobenzene	10.079	112	2690	0.772	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.165	131	1021	0.779	ug/l #	60
67) Ethyl Benzene	10.195	91	4271	0.686	ug/l	90
68) m/p-Xylenes	10.305	106	3303	1.366	ug/l	98
69) o-Xylene	10.646	106	1658	0.705	ug/l	99
70) Styrene	10.659	104	2526	0.646	ug/l	100
71) Bromoform	10.799	173	778	0.751	ug/l #	78
73) Isopropylbenzene	10.963	105	4216	0.726	ug/l	99
74) N-amyl acetate	10.848	43	1471	0.670	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.213	83	1572	0.843	ug/l	94
76) 1,2,3-Trichloropropane	11.238	75	1315m	0.806	ug/l	
77) Bromobenzene	11.201	156	1013	0.711	ug/l	86
78) n-propylbenzene	11.305	91	4863	0.726	ug/l	96
79) 2-Chlorotoluene	11.366	91	3155	0.787	ug/l	98
80) 1,3,5-Trimethylbenzene	11.457	105	3435	0.692	ug/l	98
81) trans-1,4-Dichloro-2-b...	11.079	75	41650	81.238	ug/l #	6
82) 4-Chlorotoluene	11.457	91	3309	0.705	ug/l	95
83) tert-Butylbenzene	11.713	119	3582	0.722	ug/l	99
84) 1,2,4-Trimethylbenzene	11.756	105	3465	0.702	ug/l	96
85) sec-Butylbenzene	11.890	105	4253	0.713	ug/l	98
86) p-Isopropyltoluene	12.012	119	3569	0.705	ug/l	96
87) 1,3-Dichlorobenzene	11.969	146	2062	0.767	ug/l	96
88) 1,4-Dichlorobenzene	11.969	146	2062	0.740	ug/l	97
89) n-Butylbenzene	12.335	91	2750	0.624	ug/l	98
90) Hexachloroethane	12.542	117	582	0.704	ug/l	94
91) 1,2-Dichlorobenzene	12.335	146	2071	0.782	ug/l	95
92) 1,2-Dibromo-3-Chloropr...	12.945	75	262	0.641	ug/l	88
93) 1,2,4-Trichlorobenzene	13.591	180	1282	0.742	ug/l	95
94) Hexachlorobutadiene	13.725	225	559	0.775	ug/l	91
95) Naphthalene	13.774	128	3955	0.687	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	1304	0.743	ug/l	97

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

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