

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX111721\
 Data File : VX025193.D
 Acq On : 17 Nov 2021 17:47
 Operator : JC/MD
 Sample : M4068-07 .5PPB
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 LOD-MDL-WATER-01-QT4-2021

Quant Time: Nov 18 06:59:47 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X111721W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 18 06:58:13 2021
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By :John
 Carlone

11/18/2021
 Supervised By :Mahesh
 Dadoda

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	118746	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	186046	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	166523	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	76879	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	63090	50.405	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 100.800%	
35) Dibromofluoromethane	5.391	113	57514	50.384	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 100.760%	
50) Toluene-d8	8.653	98	207992	48.461	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 96.920%	
62) 4-Bromofluorobenzene	11.085	95	73311	45.151	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 90.300%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.167	85	445	0.432	ug/l	85
3) Chloromethane	1.295	50	722	0.566	ug/l	98
4) Vinyl Chloride	1.374	62	589	0.421	ug/l #	54
5) Bromomethane	1.605	94	991	1.647	ug/l	92
6) Chloroethane	1.685	64	414	0.429	ug/l #	84
7) Trichlorofluoromethane	1.886	101	1084	0.522	ug/l	89
8) Diethyl Ether	2.130	74	421	0.491	ug/l #	29
9) 1,1,2-Trichlorotrifluo...	2.319	101	481	0.435	ug/l	94
10) Methyl Iodide	2.453	142	749	0.542	ug/l #	77
11) Tert butyl alcohol	2.947	59	2492	7.392	ug/l #	78
12) 1,1-Dichloroethene	2.319	96	577	0.524	ug/l	83
13) Acrolein	2.227	56	325	5.668	ug/l #	13
14) Allyl chloride	2.666	41	1193	0.599	ug/l #	91
15) Acrylonitrile	3.063	53	1629	2.425	ug/l	95
16) Acetone	2.380	43	2227	3.202	ug/l	97
17) Carbon Disulfide	2.508	76	1729	0.558	ug/l #	94
18) Methyl Acetate	2.703	43	1139	0.513	ug/l	93
19) Methyl tert-butyl Ether	3.117	73	1715	0.447	ug/l #	89
20) Methylene Chloride	2.788	84	853	0.652	ug/l	92
21) trans-1,2-Dichloroethene	3.093	96	686	0.569	ug/l #	63
22) Diisopropyl ether	3.764	45	1761	0.464	ug/l	92
23) Vinyl Acetate	3.727	43	6704	2.200	ug/l	98
24) 1,1-Dichloroethane	3.617	63	950	0.458	ug/l #	83
25) 2-Butanone	4.574	43	2582	2.568	ug/l #	89
26) 2,2-Dichloropropane	4.465	77	778	0.414	ug/l #	72
27) cis-1,2-Dichloroethene	4.489	96	706	0.501	ug/l	93
28) Bromochloromethane	4.898	49	479	0.496	ug/l #	84
29) Tetrahydrofuran	5.007	42	1496	2.403	ug/l	94
30) Chloroform	5.093	83	1060	0.491	ug/l #	81
31) Cyclohexane	5.471	56	1058	0.547	ug/l	90
32) 1,1,1-Trichloroethane	5.379	97	1029	0.521	ug/l #	40
36) 1,1-Dichloropropene	5.696	75	695	0.428	ug/l	98
37) Ethyl Acetate	4.727	43	1141	0.618	ug/l #	68
38) Carbon Tetrachloride	5.678	117	852	0.477	ug/l #	92
39) Methylcyclohexane	7.379	83	977	0.469	ug/l	92
40) Benzene	6.038	78	2297	0.467	ug/l #	90

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.934	41	604	0.589	ug/l #	76
42) 1,2-Dichloroethane	6.092	62	796	0.498	ug/l #	77
43) Isopropyl Acetate	6.355	43	1453	0.473	ug/l #	84
44) Trichloroethene	7.129	130	644	0.451	ug/l	84
45) 1,2-Dichloropropane	7.434	63	509	0.421	ug/l	92
46) Dibromomethane	7.586	93	377	0.430	ug/l	92
47) Bromodichloromethane	7.824	83	793	0.460	ug/l #	84
48) Methyl methacrylate	7.702	41	756	0.524	ug/l	93
49) 1,4-Dioxane	7.678	88	303	9.947	ug/l #	64
51) 4-Methyl-2-Pentanone	8.580	43	4302	2.232	ug/l	98
52) Toluene	8.720	92	1487	0.463	ug/l	97
53) t-1,3-Dichloropropene	8.982	75	823	0.430	ug/l	94
54) cis-1,3-Dichloropropene	8.373	75	862	0.415	ug/l #	93
55) 1,1,2-Trichloroethane	9.159	97	553	0.433	ug/l #	86
56) Ethyl methacrylate	9.122	69	831	0.401	ug/l #	86
57) 1,3-Dichloropropane	9.311	76	918	0.434	ug/l	94
58) 2-Chloroethyl Vinyl ether	8.245	63	1854	1.925	ug/l	97
59) 2-Hexanone	9.433	43	3249	2.138	ug/l	97
60) Dibromochloromethane	9.525	129	577	0.393	ug/l	85
61) 1,2-Dibromoethane	9.610	107	615	0.445	ug/l	99
64) Tetrachloroethene	9.281	164	704	0.513	ug/l	86
65) Chlorobenzene	10.080	112	1702	0.502	ug/l	95
66) 1,1,1,2-Tetrachloroethane	10.165	131	539	0.414	ug/l #	61
67) Ethyl Benzene	10.195	91	2783	0.475	ug/l	95
68) m/p-Xylenes	10.305	106	1974	0.824	ug/l	93
69) o-Xylene	10.647	106	1084	0.462	ug/l	81
70) Styrene	10.659	104	1584	0.409	ug/l	97
71) Bromoform	10.805	173	499	0.442	ug/l #	90
73) Isopropylbenzene	10.964	105	2691	0.491	ug/l	98
74) N-amyl acetate	10.848	43	1068	0.451	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.213	83	910	0.513	ug/l	94
76) 1,2,3-Trichloropropane	11.244	75	769m	0.488	ug/l	
77) Bromobenzene	11.201	156	636	0.451	ug/l	88
78) n-propylbenzene	11.305	91	2766	0.450	ug/l	94
79) 2-Chlorotoluene	11.366	91	1913	0.511	ug/l	96
80) 1,3,5-Trimethylbenzene	11.451	105	2208	0.479	ug/l	93
81) trans-1,4-Dichloro-2-b...	11.024	75	199m	0.318	ug/l	
82) 4-Chlorotoluene	11.457	91	1948	0.456	ug/l	91
83) tert-Butylbenzene	11.719	119	2219	0.474	ug/l	95
84) 1,2,4-Trimethylbenzene	11.756	105	2163	0.475	ug/l	99
85) sec-Butylbenzene	11.896	105	2630	0.462	ug/l	95
86) p-Isopropyltoluene	12.012	119	2250	0.460	ug/l	85
87) 1,3-Dichlorobenzene	11.976	146	1266	0.483	ug/l	99
88) 1,4-Dichlorobenzene	12.043	146	1459m	0.549	ug/l	
89) n-Butylbenzene	12.335	91	1774	0.430	ug/l	98
90) Hexachloroethane	12.543	117	400	0.444	ug/l	98
91) 1,2-Dichlorobenzene	12.335	146	1249	0.489	ug/l	95
92) 1,2-Dibromo-3-Chloropr...	12.945	75	167	0.451	ug/l	84
93) 1,2,4-Trichlorobenzene	13.591	180	542	0.360	ug/l	97
94) Hexachlorobutadiene	13.725	225	316	0.437	ug/l	89
95) Naphthalene	13.780	128	1315	0.281	ug/l #	96
96) 1,2,3-Trichlorobenzene	13.963	180	525	0.357	ug/l	97

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

