

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022123\
 Data File : VX034213.D
 Acq On : 21 Feb 2023 16:41
 Operator : JC/MD
 Sample : 01627-08
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 LOQ-WATER-02-QT1-2023

Quant Time: Feb 22 03:01:38 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021723W.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 22 02:40:46 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 02/22/2023
 Supervised By : Mahesh Dadoda 02/22/2023

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	314954	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	518650	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	456295	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	207091	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	188211	44.372	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	88.740%		
35) Dibromofluoromethane	5.391	113	159565	47.252	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	94.500%		
50) Toluene-d8	8.647	98	593098	48.918	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	97.840%		
62) 4-Bromofluorobenzene	11.079	95	208062	44.864	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	89.720%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	2456	0.902	ug/l	96
3) Chloromethane	1.300	50	4373	1.117	ug/l	95
4) Vinyl Chloride	1.374	62	4179	1.172	ug/l	97
5) Bromomethane	1.611	94	2959	2.091	ug/l	96
6) Chloroethane	1.691	64	2707	1.510	ug/l	97
7) Trichlorofluoromethane	1.892	101	5642	1.169	ug/l	92
8) Diethyl Ether	2.130	74	2218	1.141	ug/l	96
9) 1,1,2-Trichlorotrifluo...	2.331	101	3194	0.940	ug/l	99
10) Methyl Iodide	2.459	142	3014	0.728	ug/l	97
11) Tert butyl alcohol	2.953	59	5759	6.070	ug/l #	81
12) 1,1-Dichloroethene	2.318	96	3151	0.925	ug/l	94
13) Acrolein	2.239	56	2431	5.613	ug/l	99
14) Allyl chloride	2.666	41	6390	0.884	ug/l	98
15) Acrylonitrile	3.074	53	10241	4.948	ug/l	97
16) Acetone	2.379	43	9501	4.342	ug/l	92
17) Carbon Disulfide	2.514	76	9223	0.942	ug/l	97
18) Methyl Acetate	2.709	43	5650	0.835	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	11311	0.941	ug/l	91
20) Methylene Chloride	2.788	84	4790	1.215	ug/l	94
21) trans-1,2-Dichloroethene	3.093	96	3396	0.951	ug/l	87
22) Diisopropyl ether	3.757	45	12072	0.953	ug/l #	37
23) Vinyl Acetate	3.733	43	48562	4.785	ug/l	99
24) 1,1-Dichloroethane	3.611	63	6429	0.924	ug/l	97
25) 2-Butanone	4.568	43	13596	4.294	ug/l	95
26) 2,2-Dichloropropane	4.483	77	5537	0.879	ug/l	97
27) cis-1,2-Dichloroethene	4.495	96	3919	0.927	ug/l	95
28) Bromochloromethane	4.897	49	2647	0.853	ug/l #	90
29) Tetrahydrofuran	5.013	42	10120	5.240	ug/l	92
30) Chloroform	5.098	83	6348	0.951	ug/l	84
31) Cyclohexane	5.470	56	5962	0.941	ug/l #	84
32) 1,1,1-Trichloroethane	5.385	97	5747	0.960	ug/l #	50
36) 1,1-Dichloropropene	5.696	75	4888	0.979	ug/l	97
37) Ethyl Acetate	4.727	43	5446	0.976	ug/l #	78
38) Carbon Tetrachloride	5.672	117	4855	0.945	ug/l #	82
39) Methylcyclohexane	7.385	83	6106	0.950	ug/l #	83
40) Benzene	6.043	78	14572	0.985	ug/l	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	2781m	0.894	ug/l	
42) 1,2-Dichloroethane	6.092	62	5221	1.003	ug/l	100
43) Isopropyl Acetate	6.348	43	9521	0.967	ug/l	98
44) Trichloroethene	7.135	130	3627	0.955	ug/l	95
45) 1,2-Dichloropropane	7.427	63	3722	0.945	ug/l #	85
46) Dibromomethane	7.580	93	2327	0.897	ug/l	91
47) Bromodichloromethane	7.824	83	4609	0.866	ug/l #	83
48) Methyl methacrylate	7.702	41	3961	0.847	ug/l	94
49) 1,4-Dioxane	7.677	88	1758	18.854	ug/l #	98
51) 4-Methyl-2-Pentanone	8.573	43	26133	4.823	ug/l	100
52) Toluene	8.720	92	9152	1.021	ug/l	98
53) t-1,3-Dichloropropene	8.988	75	4889	0.798	ug/l	100
54) cis-1,3-Dichloropropene	8.372	75	5863	0.894	ug/l #	95
55) 1,1,2-Trichloroethane	9.153	97	3256	0.900	ug/l #	90
56) Ethyl methacrylate	9.122	69	5505	0.899	ug/l	98
57) 1,3-Dichloropropane	9.311	76	5936	0.943	ug/l	97
58) 2-Chloroethyl Vinyl ether	8.244	63	13092	4.936	ug/l	97
59) 2-Hexanone	9.433	43	19598	4.746	ug/l	97
60) Dibromochloromethane	9.525	129	3501	0.875	ug/l	97
61) 1,2-Dibromoethane	9.610	107	3518	0.919	ug/l	97
64) Tetrachloroethene	9.275	164	3592	1.115	ug/l	84
65) Chlorobenzene	10.079	112	8991	0.945	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.165	131	3411	0.926	ug/l #	65
67) Ethyl Benzene	10.195	91	16380	0.959	ug/l	97
68) m/p-Xylenes	10.305	106	12240	1.872	ug/l	98
69) o-Xylene	10.640	106	6397	0.983	ug/l	98
70) Styrene	10.658	104	9491	0.896	ug/l	96
71) Bromoform	10.799	173	2376	0.791	ug/l #	98
73) Isopropylbenzene	10.963	105	15152	0.960	ug/l	100
74) N-amyl acetate	10.847	43	6968	0.879	ug/l #	94
75) 1,1,2,2-Tetrachloroethane	11.213	83	5475	1.014	ug/l	99
76) 1,2,3-Trichloropropane	11.244	75	4683m	0.899	ug/l	
77) Bromobenzene	11.195	156	3927	1.034	ug/l	86
78) n-propylbenzene	11.305	91	17323	0.944	ug/l	97
79) 2-Chlorotoluene	11.366	91	10981	0.976	ug/l	97
80) 1,3,5-Trimethylbenzene	11.451	105	13016	0.981	ug/l	98
81) trans-1,4-Dichloro-2-b...	11.024	75	1520m	0.749	ug/l	
82) 4-Chlorotoluene	11.457	91	12495	0.975	ug/l	91
83) tert-Butylbenzene	11.713	119	12857	0.946	ug/l	95
84) 1,2,4-Trimethylbenzene	11.750	105	11936	0.890	ug/l	99
85) sec-Butylbenzene	11.890	105	14990	0.908	ug/l	98
86) p-Isopropyltoluene	12.012	119	12405	0.908	ug/l	91
87) 1,3-Dichlorobenzene	11.969	146	6923	0.972	ug/l	98
88) 1,4-Dichlorobenzene	12.042	146	7867m	1.095	ug/l	
89) n-Butylbenzene	12.335	91	10180	0.837	ug/l	98
90) Hexachloroethane	12.542	117	2437	0.853	ug/l	76
91) 1,2-Dichlorobenzene	12.341	146	7448	1.069	ug/l	93
92) 1,2-Dibromo-3-Chloropr...	12.945	75	1179	0.916	ug/l	67
93) 1,2,4-Trichlorobenzene	13.591	180	3993	0.892	ug/l	100
94) Hexachlorobutadiene	13.725	225	1859	1.002	ug/l	95
95) Naphthalene	13.780	128	13744	0.912	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	3889	0.875	ug/l	95

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

