

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031623\
 Data File : VX034561.D
 Acq On : 17 Mar 2023 04:04
 Operator : JC/MD
 Sample : VX0316WBS02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0316WBS02

Quant Time: Mar 17 07:50:50 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X031023W.M
 Quant Title : SW846 8260
 QLast Update : Mon Mar 13 10:29:32 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 03/17/2023
 Supervised By : Mahesh Dadoda 03/17/2023

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	232169	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	6.763	114	403389	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	365142	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	192837	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	173363	51.327	ug/l	0.01
Spiked Amount 50.000	Range 78 - 117		Recovery = 102.660%			
35) Dibromofluoromethane	5.385	113	130887	49.143	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 98.280%			
50) Toluene-d8	8.647	98	480511	48.329	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 96.660%			
62) 4-Bromofluorobenzene	11.079	95	183547	45.704	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 91.400%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.166	85	40896	18.895	ug/l	97
3) Chloromethane	1.307	50	58065	16.839	ug/l	97
4) Vinyl Chloride	1.374	62	58435	19.828	ug/l	99
5) Bromomethane	1.599	94	38756	26.064	ug/l	95
6) Chloroethane	1.685	64	38171	22.495	ug/l	97
7) Trichlorofluoromethane	1.886	101	94552	21.352	ug/l	97
8) Diethyl Ether	2.130	74	35699	22.084	ug/l	92
9) 1,1,2-Trichlorotrifluo...	2.331	101	50917	19.730	ug/l	99
10) Methyl Iodide	2.453	142	69818	20.606	ug/l	98
11) Tert butyl alcohol	2.953	59	71889	102.208	ug/l	99
12) 1,1-Dichloroethene	2.319	96	50229	19.763	ug/l	96
13) Acrolein	2.233	56	63678	114.442	ug/l	100
14) Allyl chloride	2.660	41	94328	18.306	ug/l	97
15) Acrylonitrile	3.062	53	169895	111.818	ug/l	99
16) Acetone	2.374	43	156186	98.168	ug/l	98
17) Carbon Disulfide	2.508	76	113037	15.804	ug/l	99
18) Methyl Acetate	2.703	43	113532	21.839	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	191829	21.080	ug/l	98
20) Methylene Chloride	2.788	84	61085	19.782	ug/l	98
21) trans-1,2-Dichloroethene	3.093	96	53231	19.721	ug/l	99
22) Diisopropyl ether	3.757	45	209576	21.332	ug/l	99
23) Vinyl Acetate	3.721	43	784260	104.890	ug/l	98
24) 1,1-Dichloroethane	3.611	63	108865	20.614	ug/l	99
25) 2-Butanone	4.550	43	242214	106.397	ug/l	99
26) 2,2-Dichloropropane	4.477	77	70461	15.349	ug/l	99
27) cis-1,2-Dichloroethene	4.489	96	65003	20.005	ug/l	99
28) Bromochloromethane	4.898	49	43405	17.676	ug/l	99
29) Tetrahydrofuran	5.007	42	156768	111.599	ug/l	99
30) Chloroform	5.093	83	111897	21.615	ug/l	96
31) Cyclohexane	5.471	56	89034	18.796	ug/l	97
32) 1,1,1-Trichloroethane	5.385	97	91821	20.036	ug/l	98
36) 1,1-Dichloropropene	5.690	75	75401	18.432	ug/l	99
37) Ethyl Acetate	4.715	43	93352	20.889	ug/l	99
38) Carbon Tetrachloride	5.678	117	74952	18.418	ug/l	96
39) Methylcyclohexane	7.379	83	86197	17.607	ug/l	96
40) Benzene	6.038	78	232291	19.411	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	51499	21.027	ug/l	98
42) 1,2-Dichloroethane	6.086	62	92693	21.076	ug/l	99
43) Isopropyl Acetate	6.336	43	155017	20.475	ug/l	100
44) Trichloroethene	7.123	130	57802	18.590	ug/l	94
45) 1,2-Dichloropropane	7.428	63	61916	19.815	ug/l	99
46) Dibromomethane	7.580	93	43054	20.267	ug/l	98
47) Bromodichloromethane	7.824	83	80035	19.467	ug/l	96
48) Methyl methacrylate	7.690	41	75074	20.618	ug/l	97
49) 1,4-Dioxane	7.659	88	34707	453.814	ug/l	98
51) 4-Methyl-2-Pentanone	8.574	43	487716	111.048	ug/l	99
52) Toluene	8.714	92	145034	19.576	ug/l	98
53) t-1,3-Dichloropropene	8.976	75	80702	17.423	ug/l	98
54) cis-1,3-Dichloropropene	8.366	75	90759	18.111	ug/l	99
55) 1,1,2-Trichloroethane	9.153	97	61519	20.923	ug/l	98
56) Ethyl methacrylate	9.116	69	97421	20.180	ug/l	99
57) 1,3-Dichloropropane	9.305	76	106182	20.319	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	264589	106.347	ug/l	100
59) 2-Hexanone	9.427	43	368321	108.488	ug/l	99
60) Dibromochloromethane	9.519	129	58383	18.932	ug/l	100
61) 1,2-Dibromoethane	9.610	107	62982	19.850	ug/l	100
64) Tetrachloroethene	9.275	164	48639	19.830	ug/l	98
65) Chlorobenzene	10.079	112	154037	19.227	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.165	131	56297	19.294	ug/l	99
67) Ethyl Benzene	10.195	91	282583	19.703	ug/l	98
68) m/p-Xylenes	10.299	106	213839	38.813	ug/l	98
69) o-Xylene	10.640	106	112218	20.296	ug/l	96
70) Styrene	10.659	104	182295	20.435	ug/l	99
71) Bromoform	10.799	173	39311	17.502	ug/l #	100
73) Isopropylbenzene	10.963	105	281816	18.909	ug/l	99
74) N-amyl acetate	10.842	43	135660	19.004	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.213	83	98513	19.808	ug/l	100
76) 1,2,3-Trichloropropane	11.238	75	79897m	18.045	ug/l	
77) Bromobenzene	11.195	156	66167	18.504	ug/l	99
78) n-propylbenzene	11.305	91	326113	18.946	ug/l	98
79) 2-Chlorotoluene	11.366	91	198181	18.643	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	235036	18.801	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	22689	13.863	ug/l	85
82) 4-Chlorotoluene	11.451	91	227280	18.562	ug/l	100
83) tert-Butylbenzene	11.713	119	254973	20.229	ug/l	97
84) 1,2,4-Trimethylbenzene	11.750	105	265410	20.774	ug/l	97
85) sec-Butylbenzene	11.890	105	317001	20.572	ug/l	98
86) p-Isopropyltoluene	12.006	119	259979	20.075	ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	136682	19.509	ug/l	100
88) 1,4-Dichlorobenzene	12.043	146	138694	19.578	ug/l	99
89) n-Butylbenzene	12.335	91	216972	18.846	ug/l	98
90) Hexachloroethane	12.536	117	43077	17.976	ug/l	98
91) 1,2-Dichlorobenzene	12.335	146	133354	19.695	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	23720	20.992	ug/l	94
93) 1,2,4-Trichlorobenzene	13.591	180	80469	19.005	ug/l	99
94) Hexachlorobutadiene	13.725	225	32196	18.875	ug/l	97
95) Naphthalene	13.774	128	286149	20.154	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	82720	19.986	ug/l	99

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

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