

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051623\
 Data File : VX035685.D
 Acq On : 16 May 2023 12:57
 Operator : JC/MD
 Sample : VX0516WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0516WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/17/2023
 Supervised By : Mahesh Dadoda 05/17/2023

Quant Time: May 17 05:28:12 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X051123W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 11 13:57:54 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	201963	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	355723	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	309171	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	147683	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	188731	53.566	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 107.140%			
35) Dibromofluoromethane	5.385	113	127486	53.142	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 106.280%			
50) Toluene-d8	8.647	98	466278	52.613	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 105.220%			
62) 4-Bromofluorobenzene	11.079	95	190349	53.343	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 106.680%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.167	85	55500	21.086	ug/l	97
3) Chloromethane	1.295	50	57979	18.151	ug/l	99
4) Vinyl Chloride	1.374	62	56321	20.777	ug/l	97
5) Bromomethane	1.618	94	34434	23.454	ug/l	95
6) Chloroethane	1.691	64	34202	20.798	ug/l	99
7) Trichlorofluoromethane	1.886	101	85228	21.383	ug/l	99
8) Diethyl Ether	2.130	74	32695	21.304	ug/l	95
9) 1,1,2-Trichlorotrifluo...	2.331	101	50698	21.423	ug/l	96
10) Methyl Iodide	2.453	142	49745	23.503	ug/l	92
11) Tert butyl alcohol	3.014	59	68642	110.427	ug/l #	94
12) 1,1-Dichloroethene	2.319	96	46146	20.517	ug/l	84
13) Acrolein	2.239	56	81295	110.190	ug/l	99
14) Allyl chloride	2.666	41	96708	20.071	ug/l	93
15) Acrylonitrile	3.069	53	151926	110.992	ug/l	99
16) Acetone	2.398	43	168103	111.009	ug/l	95
17) Carbon Disulfide	2.514	76	99262	18.287	ug/l	100
18) Methyl Acetate	2.709	43	126007	22.563	ug/l	97
19) Methyl tert-butyl Ether	3.111	73	191825	21.433	ug/l	98
20) Methylene Chloride	2.788	84	55992	20.402	ug/l	97
21) trans-1,2-Dichloroethene	3.093	96	50159	20.353	ug/l	92
22) Diisopropyl ether	3.757	45	201329	21.341	ug/l	99
23) Vinyl Acetate	3.721	43	716192	107.291	ug/l	98
24) 1,1-Dichloroethane	3.611	63	106406	21.089	ug/l	98
25) 2-Butanone	4.568	43	233005	111.152	ug/l	99
26) 2,2-Dichloropropane	4.477	77	88945	20.817	ug/l	96
27) cis-1,2-Dichloroethene	4.489	96	61759	20.846	ug/l	93
28) Bromochloromethane	4.898	49	56367	24.837	ug/l	93
29) Tetrahydrofuran	5.019	42	144068	109.342	ug/l	99
30) Chloroform	5.093	83	109270	21.134	ug/l	95
31) Cyclohexane	5.477	56	93183	20.933	ug/l	95
32) 1,1,1-Trichloroethane	5.385	97	94545	21.017	ug/l	99
36) 1,1-Dichloropropene	5.690	75	79499	20.994	ug/l	97
37) Ethyl Acetate	4.715	43	88341	22.367	ug/l	100
38) Carbon Tetrachloride	5.678	117	74993	20.906	ug/l	98
39) Methylcyclohexane	7.379	83	94401	21.178	ug/l	92
40) Benzene	6.038	78	224356	21.179	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	50510	21.539	ug/l	96
42) 1,2-Dichloroethane	6.086	62	98218	21.554	ug/l	96
43) Isopropyl Acetate	6.336	43	147250	21.380	ug/l	99
44) Trichloroethene	7.123	130	55953	20.831	ug/l	91
45) 1,2-Dichloropropane	7.428	63	59846	21.331	ug/l	99
46) Dibromomethane	7.580	93	40499	21.088	ug/l	96
47) Bromodichloromethane	7.824	83	76252	20.542	ug/l	96
48) Methyl methacrylate	7.690	41	73438	21.606	ug/l	95
49) 1,4-Dioxane	7.714	88	29817	411.673	ug/l	94
51) 4-Methyl-2-Pentanone	8.574	43	452652	114.081	ug/l	97
52) Toluene	8.714	92	140868	21.066	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	84492	20.951	ug/l	98
54) cis-1,3-Dichloropropene	8.366	75	91090	21.082	ug/l	97
55) 1,1,2-Trichloroethane	9.153	97	57192	21.776	ug/l	98
56) Ethyl methacrylate	9.116	69	90361	21.245	ug/l	95
57) 1,3-Dichloropropane	9.311	76	101154	21.246	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	229909	106.258	ug/l	98
59) 2-Hexanone	9.427	43	345283	115.551	ug/l	98
60) Dibromochloromethane	9.519	129	51646	20.629	ug/l	99
61) 1,2-Dibromoethane	9.610	107	58801	21.250	ug/l	98
64) Tetrachloroethene	9.275	164	43826	21.055	ug/l	95
65) Chlorobenzene	10.080	112	146933	21.771	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.159	131	51504	21.583	ug/l	100
67) Ethyl Benzene	10.195	91	280581	22.106	ug/l	96
68) m/p-Xylenes	10.299	106	205146	43.725	ug/l	94
69) o-Xylene	10.640	106	99462	21.364	ug/l	91
70) Styrene	10.653	104	163835	21.835	ug/l	97
71) Bromoform	10.799	173	30337	19.321	ug/l #	98
73) Isopropylbenzene	10.964	105	272355	21.885	ug/l	98
74) N-amyl acetate	10.842	43	123344	21.258	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.213	83	88047	21.810	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	75077m	20.783	ug/l	
77) Bromobenzene	11.195	156	60301	21.349	ug/l	93
78) n-propylbenzene	11.305	91	317972	21.736	ug/l	98
79) 2-Chlorotoluene	11.366	91	196988	21.508	ug/l	97
80) 1,3,5-Trimethylbenzene	11.451	105	228177	21.573	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	20878	18.627	ug/l #	78
82) 4-Chlorotoluene	11.451	91	225659	21.394	ug/l	98
83) tert-Butylbenzene	11.713	119	220384	21.436	ug/l	95
84) 1,2,4-Trimethylbenzene	11.750	105	231631	21.810	ug/l	96
85) sec-Butylbenzene	11.890	105	280758	21.749	ug/l	98
86) p-Isopropyltoluene	12.012	119	234201	22.068	ug/l	97
87) 1,3-Dichlorobenzene	11.969	146	112306	20.930	ug/l	97
88) 1,4-Dichlorobenzene	12.043	146	114175	21.072	ug/l	98
89) n-Butylbenzene	12.335	91	207765	21.521	ug/l	98
90) Hexachloroethane	12.536	117	33383	20.754	ug/l	91
91) 1,2-Dichlorobenzene	12.335	146	113716	21.642	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.939	75	19147	21.300	ug/l	87
93) 1,2,4-Trichlorobenzene	13.585	180	68162	21.544	ug/l	98
94) Hexachlorobutadiene	13.725	225	26275	20.923	ug/l	97
95) Naphthalene	13.774	128	243097	22.437	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	67990	21.851	ug/l	97

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

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