

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051823\
 Data File : VX035736.D
 Acq On : 18 May 2023 12:38
 Operator : JC/MD
 Sample : VX0518WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0518WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/19/2023
 Supervised By : Mahesh Dadoda 05/19/2023

Quant Time: May 19 05:45:59 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	196725	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.757	114	338602	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	295763	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	143560	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	173474	50.547	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 101.100%			
35) Dibromofluoromethane	5.379	113	116872	51.181	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.360%			
50) Toluene-d8	8.647	98	420235	49.815	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 99.640%			
62) 4-Bromofluorobenzene	11.079	95	172375	50.749	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 101.500%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.167	85	49602	19.347	ug/l	100
3) Chloromethane	1.295	50	51421	16.527	ug/l	99
4) Vinyl Chloride	1.374	62	49966	18.923	ug/l	97
5) Bromomethane	1.618	94	30779	21.523	ug/l	97
6) Chloroethane	1.691	64	29751	18.573	ug/l	99
7) Trichlorofluoromethane	1.886	101	77085	19.855	ug/l	92
8) Diethyl Ether	2.130	74	28675	19.182	ug/l	95
9) 1,1,2-Trichlorotrifluo...	2.331	101	44472	19.293	ug/l	95
10) Methyl Iodide	2.453	142	41564	20.161	ug/l	# 88
11) Tert butyl alcohol	3.014	59	57283m	94.607	ug/l	
12) 1,1-Dichloroethene	2.319	96	39574	18.064	ug/l	85
13) Acrolein	2.240	56	68648	95.525	ug/l	99
14) Allyl chloride	2.666	41	81632	17.393	ug/l	93
15) Acrylonitrile	3.069	53	131419	98.567	ug/l	98
16) Acetone	2.398	43	147779	100.187	ug/l	95
17) Carbon Disulfide	2.514	76	88312	16.703	ug/l	99
18) Methyl Acetate	2.703	43	109291	20.091	ug/l	98
19) Methyl tert-butyl Ether	3.111	73	161370	18.510	ug/l	99
20) Methylene Chloride	2.788	84	48859	18.277	ug/l	96
21) trans-1,2-Dichloroethene	3.087	96	44701	18.621	ug/l	93
22) Diisopropyl ether	3.751	45	168761	18.365	ug/l	# 84
23) Vinyl Acetate	3.721	43	604216	92.926	ug/l	98
24) 1,1-Dichloroethane	3.611	63	89903	18.293	ug/l	96
25) 2-Butanone	4.568	43	200444	98.165	ug/l	100
26) 2,2-Dichloropropane	4.471	77	73264	17.604	ug/l	97
27) cis-1,2-Dichloroethene	4.483	96	51344	17.792	ug/l	93
28) Bromochloromethane	4.898	49	43803	19.815	ug/l	95
29) Tetrahydrofuran	5.013	42	121815	94.915	ug/l	99
30) Chloroform	5.087	83	92701	18.407	ug/l	99
31) Cyclohexane	5.465	56	80617	18.592	ug/l	97
32) 1,1,1-Trichloroethane	5.379	97	79591	18.164	ug/l	99
36) 1,1-Dichloropropene	5.690	75	69105	19.172	ug/l	97
37) Ethyl Acetate	4.709	43	75202	20.003	ug/l	99
38) Carbon Tetrachloride	5.678	117	62656	18.350	ug/l	99
39) Methylcyclohexane	7.379	83	81909	19.305	ug/l	93
40) Benzene	6.038	78	188217	18.666	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	43590	19.528	ug/l	96
42) 1,2-Dichloroethane	6.086	62	84429	19.464	ug/l	96
43) Isopropyl Acetate	6.336	43	123099	18.777	ug/l	99
44) Trichloroethene	7.123	130	46677	18.256	ug/l	88
45) 1,2-Dichloropropane	7.428	63	49947	18.703	ug/l	95
46) Dibromomethane	7.580	93	34619	18.938	ug/l	95
47) Bromodichloromethane	7.818	83	64997	18.395	ug/l	97
48) Methyl methacrylate	7.690	41	61974	19.155	ug/l	96
49) 1,4-Dioxane	7.714	88	25444	367.827	ug/l	96
51) 4-Methyl-2-Pentanone	8.574	43	382865	101.371	ug/l	98
52) Toluene	8.714	92	118542	18.624	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	70190	18.285	ug/l	100
54) cis-1,3-Dichloropropene	8.366	75	76596	18.623	ug/l	97
55) 1,1,2-Trichloroethane	9.153	97	48285	19.314	ug/l	96
56) Ethyl methacrylate	9.116	69	75394	18.623	ug/l	94
57) 1,3-Dichloropropane	9.305	76	85449	18.855	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	200422	97.313	ug/l	98
59) 2-Hexanone	9.427	43	295106	103.752	ug/l	97
60) Dibromochloromethane	9.519	129	43421	18.221	ug/l	96
61) 1,2-Dibromoethane	9.610	107	50722	19.257	ug/l	98
64) Tetrachloroethene	9.275	164	37779	18.973	ug/l	95
65) Chlorobenzene	10.080	112	125061	19.371	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.159	131	42583	18.653	ug/l	99
67) Ethyl Benzene	10.195	91	234118	19.281	ug/l	97
68) m/p-Xylenes	10.299	106	172685	38.475	ug/l	94
69) o-Xylene	10.640	106	84656	19.008	ug/l	92
70) Styrene	10.653	104	138703	19.324	ug/l	97
71) Bromoform	10.799	173	26186	17.434	ug/l #	100
73) Isopropylbenzene	10.964	105	227013	18.766	ug/l	98
74) N-amyl acetate	10.842	43	102009	18.086	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.213	83	74392	18.957	ug/l	98
76) 1,2,3-Trichloropropane	11.238	75	64565m	18.387	ug/l	
77) Bromobenzene	11.195	156	49920	18.181	ug/l	91
78) n-propylbenzene	11.305	91	269089	18.923	ug/l	97
79) 2-Chlorotoluene	11.366	91	165352	18.572	ug/l	97
80) 1,3,5-Trimethylbenzene	11.451	105	196695	19.131	ug/l	98
81) trans-1,4-Dichloro-2-b...	11.018	75	18214	16.717	ug/l #	83
82) 4-Chlorotoluene	11.451	91	190582	18.587	ug/l	97
83) tert-Butylbenzene	11.713	119	184269	18.438	ug/l	95
84) 1,2,4-Trimethylbenzene	11.750	105	193470	18.740	ug/l	96
85) sec-Butylbenzene	11.890	105	237786	18.950	ug/l	98
86) p-Isopropyltoluene	12.006	119	196069	19.006	ug/l	97
87) 1,3-Dichlorobenzene	11.969	146	97292	18.653	ug/l	98
88) 1,4-Dichlorobenzene	12.043	146	96474	18.317	ug/l	97
89) n-Butylbenzene	12.335	91	177505	18.915	ug/l	98
90) Hexachloroethane	12.536	117	26731	17.096	ug/l	93
91) 1,2-Dichlorobenzene	12.335	146	93727	18.350	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.945	75	15943	18.245	ug/l	87
93) 1,2,4-Trichlorobenzene	13.585	180	56911	18.505	ug/l	98
94) Hexachlorobutadiene	13.725	225	23893	19.573	ug/l	99
95) Naphthalene	13.774	128	201155	19.099	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	57423	18.985	ug/l	98

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

