

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072222\
 Data File : VX030179.D
 Acq On : 22 Jul 2022 14:47
 Operator : JC/MD
 Sample : VX0722WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0722WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 07/25/2022
 Supervised By : Mahesh Dadoda 07/25/2022

Quant Time: Jul 22 23:50:24 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X071222W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 13 09:05:23 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.562	168	201426	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	367289	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	322061	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	155326	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	140355	57.248	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 114.500%			
35) Dibromofluoromethane	5.391	113	115877	49.385	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 98.780%			
50) Toluene-d8	8.653	98	428969	48.610	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 97.220%			
62) 4-Bromofluorobenzene	11.085	95	157475	51.422	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 102.840%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.167	85	43915	18.574	ug/l	96
3) Chloromethane	1.288	50	40668	19.375	ug/l	97
4) Vinyl Chloride	1.374	62	40995	17.584	ug/l	99
5) Bromomethane	1.605	94	20526	20.726	ug/l	100
6) Chloroethane	1.685	64	24617	18.751	ug/l	97
7) Trichlorofluoromethane	1.886	101	58625	19.471	ug/l	96
8) Diethyl Ether	2.136	74	22487	18.053	ug/l	93
9) 1,1,2-Trichlorotrifluo...	2.331	101	41291	20.089	ug/l	98
10) Methyl Iodide	2.453	142	35940	19.360	ug/l	97
11) Tert butyl alcohol	2.983	59	66593	105.242	ug/l	96
12) 1,1-Dichloroethene	2.319	96	41130	20.042	ug/l	92
13) Acrolein	2.240	56	2429	19.274	ug/l	99
14) Allyl chloride	2.666	41	84192	23.476	ug/l	96
15) Acrylonitrile	3.069	53	170368	118.469	ug/l	99
16) Acetone	2.386	43	142254	123.135	ug/l	96
17) Carbon Disulfide	2.514	76	99050	16.999	ug/l	98
18) Methyl Acetate	2.709	43	86759	24.686	ug/l	96
19) Methyl tert-butyl Ether	3.117	73	147722	22.772	ug/l	97
20) Methylene Chloride	2.788	84	52139	21.237	ug/l	96
21) trans-1,2-Dichloroethene	3.093	96	44688	20.891	ug/l	98
22) Diisopropyl ether	3.770	45	167050	23.796	ug/l	90
23) Vinyl Acetate	3.727	43	728894	122.652	ug/l	98
24) 1,1-Dichloroethane	3.617	63	86018	22.113	ug/l	99
25) 2-Butanone	4.568	43	241734	122.837	ug/l	99
26) 2,2-Dichloropropane	4.483	77	63978	23.413	ug/l	98
27) cis-1,2-Dichloroethene	4.495	96	54471	20.794	ug/l	94
28) Bromochloromethane	4.904	49	40910	24.998	ug/l	95
29) Tetrahydrofuran	5.019	42	157849	118.192	ug/l	97
30) Chloroform	5.099	83	86423	22.293	ug/l	98
31) Cyclohexane	5.471	56	75079	21.124	ug/l	94
32) 1,1,1-Trichloroethane	5.391	97	70129	22.134	ug/l	98
36) 1,1-Dichloropropene	5.702	75	61507	20.294	ug/l	98
37) Ethyl Acetate	4.727	43	87753	22.533	ug/l	98
38) Carbon Tetrachloride	5.678	117	57704	20.417	ug/l #	96
39) Methylcyclohexane	7.385	83	74536	19.400	ug/l	95
40) Benzene	6.044	78	196418	20.590	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.928	41	48038	22.909	ug/l	97
42) 1,2-Dichloroethane	6.099	62	67905	22.969	ug/l	99
43) Isopropyl Acetate	6.349	43	131699	22.489	ug/l	98
44) Trichloroethene	7.129	130	51051	18.314	ug/l	92
45) 1,2-Dichloropropane	7.434	63	52128	21.023	ug/l	98
46) Dibromomethane	7.586	93	35550	20.831	ug/l	99
47) Bromodichloromethane	7.824	83	66624	21.515	ug/l	97
48) Methyl methacrylate	7.696	41	65903	24.390	ug/l	96
49) 1,4-Dioxane	7.671	88	30359	432.449	ug/l	93
51) 4-Methyl-2-Pentanone	8.580	43	461516	119.094	ug/l	98
52) Toluene	8.720	92	120790	19.940	ug/l	99
53) t-1,3-Dichloropropene	8.982	75	68079	21.165	ug/l	99
54) cis-1,3-Dichloropropene	8.373	75	76391	20.731	ug/l	97
55) 1,1,2-Trichloroethane	9.153	97	52097	20.855	ug/l	96
56) Ethyl methacrylate	9.122	69	80414	21.411	ug/l	92
57) 1,3-Dichloropropane	9.311	76	84668	21.337	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.245	63	231177	113.357	ug/l	97
59) 2-Hexanone	9.433	43	374597	126.052	ug/l	94
60) Dibromochloromethane	9.525	129	46967	19.299	ug/l	98
61) 1,2-Dibromoethane	9.610	107	53104	20.426	ug/l	100
64) Tetrachloroethene	9.275	164	49151	19.012	ug/l	98
65) Chlorobenzene	10.080	112	126939	19.794	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.165	131	45156	20.654	ug/l	98
67) Ethyl Benzene	10.195	91	229191	21.086	ug/l	96
68) m/p-Xylenes	10.305	106	175510	41.170	ug/l	96
69) o-Xylene	10.647	106	86841	20.344	ug/l	96
70) Styrene	10.659	104	146145	20.628	ug/l	99
71) Bromoform	10.805	173	32236	18.352	ug/l #	98
73) Isopropylbenzene	10.964	105	225194	20.822	ug/l	100
74) N-amyl acetate	10.848	43	106072	22.330	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.214	83	80626	20.663	ug/l	99
76) 1,2,3-Trichloropropane	11.244	75	75031m	21.010	ug/l	
77) Bromobenzene	11.201	156	50621	18.707	ug/l	92
78) n-propylbenzene	11.305	91	265779	20.714	ug/l	99
79) 2-Chlorotoluene	11.366	91	162329	21.122	ug/l	97
80) 1,3,5-Trimethylbenzene	11.451	105	188300	20.662	ug/l	98
81) trans-1,4-Dichloro-2-b...	11.025	75	24471	19.775	ug/l	92
82) 4-Chlorotoluene	11.457	91	184289	21.403	ug/l	97
83) tert-Butylbenzene	11.720	119	178313	20.403	ug/l	94
84) 1,2,4-Trimethylbenzene	11.756	105	194975	21.630	ug/l	96
85) sec-Butylbenzene	11.896	105	246869	21.367	ug/l	98
86) p-Isopropyltoluene	12.012	119	190615	20.565	ug/l	97
87) 1,3-Dichlorobenzene	11.969	146	99744	19.949	ug/l	99
88) 1,4-Dichlorobenzene	12.043	146	100072	19.504	ug/l	97
89) n-Butylbenzene	12.335	91	184417	22.206	ug/l	98
90) Hexachloroethane	12.543	117	31622	19.957	ug/l	96
91) 1,2-Dichlorobenzene	12.335	146	101933	20.067	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.945	75	21288	23.894	ug/l	86
93) 1,2,4-Trichlorobenzene	13.591	180	59785	19.162	ug/l	96
94) Hexachlorobutadiene	13.725	225	23088	18.535	ug/l	98
95) Naphthalene	13.780	128	245824	19.850	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	62716	19.756	ug/l	99

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

