

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031822\
 Data File : VX027520.D
 Acq On : 18 Mar 2022 12:06
 Operator : JC/MD
 Sample : VX0318WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0318WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/19/2022
 Supervised By : Mahesh Dadoda 03/21/2022

Quant Time: Mar 19 03:05:19 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X031722W.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 17 15:02:59 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	336141	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	513601	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	470794	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	235453	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	189262	45.705	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	91.420%		
35) Dibromofluoromethane	5.391	113	161014	48.727	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	97.460%		
50) Toluene-d8	8.653	98	602007	48.144	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	96.280%		
62) 4-Bromofluorobenzene	11.085	95	220849	48.052	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	96.100%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	62187	19.274	ug/l	98
3) Chloromethane	1.294	50	54032	18.865	ug/l	98
4) Vinyl Chloride	1.374	62	62906	19.008	ug/l	97
5) Bromomethane	1.599	94	36845	18.292	ug/l	98
6) Chloroethane	1.685	64	36198	17.825	ug/l	98
7) Trichlorofluoromethane	1.886	101	96787	17.717	ug/l	95
8) Diethyl Ether	2.136	74	34272	16.842	ug/l	91
9) 1,1,2-Trichlorotrifluo...	2.325	101	60879	18.714	ug/l	94
10) Methyl Iodide	2.453	142	60936	14.151	ug/l	97
11) Tert butyl alcohol	2.965	59	67400	85.405	ug/l	98
12) 1,1-Dichloroethene	2.319	96	57085	18.289	ug/l	96
13) Acrolein	2.233	56	42244	68.980	ug/l	97
14) Allyl chloride	2.666	41	88085	18.034	ug/l	97
15) Acrylonitrile	3.062	53	168706	94.030	ug/l	99
16) Acetone	2.380	43	172481	102.189	ug/l	94
17) Carbon Disulfide	2.508	76	147984	18.633	ug/l	99
18) Methyl Acetate	2.703	43	72867	18.013	ug/l	97
19) Methyl tert-butyl Ether	3.117	73	182944	17.372	ug/l	99
20) Methylene Chloride	2.788	84	64145	17.676	ug/l	94
21) trans-1,2-Dichloroethene	3.093	96	61391	18.439	ug/l	99
22) Diisopropyl ether	3.763	45	175257	18.374	ug/l #	89
23) Vinyl Acetate	3.721	43	757456	91.314	ug/l	95
24) 1,1-Dichloroethane	3.611	63	106747	18.400	ug/l	99
25) 2-Butanone	4.556	43	242585	95.527	ug/l	96
26) 2,2-Dichloropropane	4.477	77	83749	17.678	ug/l	100
27) cis-1,2-Dichloroethene	4.489	96	70799	18.336	ug/l	97
28) Bromochloromethane	4.904	49	41394	17.688	ug/l	96
29) Tetrahydrofuran	5.007	42	149870	91.998	ug/l	94
30) Chloroform	5.093	83	115928	18.115	ug/l	99
31) Cyclohexane	5.477	56	93115	18.109	ug/l	96
32) 1,1,1-Trichloroethane	5.385	97	101390	17.402	ug/l	99
36) 1,1-Dichloropropene	5.690	75	85567	18.949	ug/l	99
37) Ethyl Acetate	4.721	43	88586	19.687	ug/l	98
38) Carbon Tetrachloride	5.678	117	93028	18.007	ug/l	97
39) Methylcyclohexane	7.385	83	106881	18.822	ug/l	99
40) Benzene	6.037	78	242919	18.751	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	47116	19.200	ug/l	95
42) 1,2-Dichloroethane	6.092	62	90746	18.690	ug/l	98
43) Isopropyl Acetate	6.342	43	130682	18.046	ug/l	97
44) Trichloroethene	7.129	130	72059	18.323	ug/l	99
45) 1,2-Dichloropropane	7.434	63	61373	18.599	ug/l	97
46) Dibromomethane	7.586	93	46105	18.290	ug/l	99
47) Bromodichloromethane	7.824	83	87177	18.367	ug/l	99
48) Methyl methacrylate	7.696	41	66118	18.449	ug/l	91
49) 1,4-Dioxane	7.659	88	33620	365.236	ug/l	99
51) 4-Methyl-2-Pentanone	8.574	43	448656	97.053	ug/l	94
52) Toluene	8.720	92	162268	18.691	ug/l	100
53) t-1,3-Dichloropropene	8.982	75	88762	18.221	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	97852	18.457	ug/l	93
55) 1,1,2-Trichloroethane	9.153	97	65848	18.629	ug/l	96
56) Ethyl methacrylate	9.116	69	95579	18.072	ug/l #	89
57) 1,3-Dichloropropane	9.311	76	108716	18.945	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.244	63	240075	88.879	ug/l	99
59) 2-Hexanone	9.433	43	356979	100.263	ug/l	91
60) Dibromochloromethane	9.525	129	71597	18.400	ug/l	95
61) 1,2-Dibromoethane	9.610	107	71547	18.416	ug/l	99
64) Tetrachloroethene	9.275	164	71938	19.652	ug/l	98
65) Chlorobenzene	10.079	112	180350	18.622	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.165	131	65575	18.148	ug/l	99
67) Ethyl Benzene	10.195	91	312745	18.866	ug/l	98
68) m/p-Xylenes	10.305	106	247680	37.947	ug/l	100
69) o-Xylene	10.646	106	119647	18.880	ug/l	98
70) Styrene	10.659	104	196809	19.011	ug/l	98
71) Bromoform	10.805	173	53079	18.387	ug/l #	99
73) Isopropylbenzene	10.963	105	318781	18.588	ug/l	100
74) N-amyl acetate	10.841	43	105525	17.353	ug/l	94
75) 1,1,2,2-Tetrachloroethane	11.213	83	98496	18.131	ug/l	99
76) 1,2,3-Trichloropropane	11.244	75	91761m	18.632	ug/l	
77) Bromobenzene	11.201	156	79560	18.405	ug/l	95
78) n-propylbenzene	11.305	91	358141	19.024	ug/l	98
79) 2-Chlorotoluene	11.366	91	219916	18.622	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	273379	18.940	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.024	75	27277	16.821	ug/l #	87
82) 4-Chlorotoluene	11.457	91	248578	18.487	ug/l	98
83) tert-Butylbenzene	11.719	119	260481	18.217	ug/l	95
84) 1,2,4-Trimethylbenzene	11.756	105	272281	18.915	ug/l	99
85) sec-Butylbenzene	11.890	105	328681	19.021	ug/l	99
86) p-Isopropyltoluene	12.012	119	281549	18.970	ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	147938	18.471	ug/l	99
88) 1,4-Dichlorobenzene	12.042	146	149582	18.457	ug/l	98
89) n-Butylbenzene	12.335	91	237816	19.200	ug/l	97
90) Hexachloroethane	12.542	117	40997	17.321	ug/l	99
91) 1,2-Dichlorobenzene	12.335	146	142624	18.237	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.945	75	21934	17.604	ug/l	97
93) 1,2,4-Trichlorobenzene	13.591	180	93819	18.717	ug/l	99
94) Hexachlorobutadiene	13.725	225	42310	19.108	ug/l	94
95) Naphthalene	13.780	128	307799	18.863	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	92661	18.275	ug/l	97

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

