

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031722\
 Data File : VX027494.D
 Acq On : 17 Mar 2022 18:11
 Operator : JC/MD
 Sample : VX0317WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0317WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/18/2022
 Supervised By : Mahesh Dadoda 03/18/2022

Quant Time: Mar 18 02:05:55 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	5.556	168	354244	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	543568	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	485535	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	225815	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	202270	46.350	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	92.700%		
35) Dibromofluoromethane	5.391	113	182156	52.086	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	104.180%		
50) Toluene-d8	8.653	98	672335	50.804	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	101.600%		
62) 4-Bromofluorobenzene	11.079	95	242776	49.911	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	99.820%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	68650	20.190	ug/l	97
3) Chloromethane	1.294	50	62845	20.820	ug/l	99
4) Vinyl Chloride	1.374	62	71493	20.499	ug/l	97
5) Bromomethane	1.599	94	45039	22.201	ug/l	98
6) Chloroethane	1.678	64	39780	18.587	ug/l	98
7) Trichlorofluoromethane	1.886	101	106526	18.503	ug/l	96
8) Diethyl Ether	2.136	74	39806	18.562	ug/l	96
9) 1,1,2-Trichlorotrifluo...	2.325	101	68632	20.019	ug/l	94
10) Methyl Iodide	2.453	142	87419	19.263	ug/l	99
11) Tert butyl alcohol	2.965	59	81722	98.261	ug/l	100
12) 1,1-Dichloroethene	2.319	96	63858	19.413	ug/l	92
13) Acrolein	2.239	56	59487	92.173	ug/l	98
14) Allyl chloride	2.666	41	95132	18.482	ug/l	97
15) Acrylonitrile	3.062	53	195224	103.250	ug/l	99
16) Acetone	2.380	43	157144	88.344	ug/l	98
17) Carbon Disulfide	2.508	76	161709	19.320	ug/l	99
18) Methyl Acetate	2.703	43	81444	19.105	ug/l	99
19) Methyl tert-butyl Ether	3.117	73	217161	19.567	ug/l	100
20) Methylene Chloride	2.788	84	73980	19.344	ug/l	98
21) trans-1,2-Dichloroethene	3.093	96	69187	19.718	ug/l	96
22) Diisopropyl ether	3.763	45	194419	19.341	ug/l	91
23) Vinyl Acetate	3.727	43	848476	97.060	ug/l	97
24) 1,1-Dichloroethane	3.611	63	118630	19.404	ug/l	99
25) 2-Butanone	4.562	43	256019	95.665	ug/l	98
26) 2,2-Dichloropropane	4.477	77	90515	18.130	ug/l	98
27) cis-1,2-Dichloroethene	4.495	96	81070	19.923	ug/l	94
28) Bromochloromethane	4.897	49	45713	18.536	ug/l	90
29) Tetrahydrofuran	5.007	42	169190	98.550	ug/l	95
30) Chloroform	5.099	83	128092	18.993	ug/l	97
31) Cyclohexane	5.470	56	105801	19.524	ug/l	100
32) 1,1,1-Trichloroethane	5.385	97	114621	18.667	ug/l	98
36) 1,1-Dichloropropene	5.696	75	93764	19.619	ug/l	99
37) Ethyl Acetate	4.714	43	95819	20.121	ug/l	99
38) Carbon Tetrachloride	5.684	117	102437	18.735	ug/l	96
39) Methylcyclohexane	7.385	83	121420	20.204	ug/l	97
40) Benzene	6.037	78	272901	19.904	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	52728	20.302	ug/l	96
42) 1,2-Dichloroethane	6.086	62	101504	19.753	ug/l	98
43) Isopropyl Acetate	6.342	43	147242	19.211	ug/l	98
44) Trichloroethene	7.129	130	81960	19.691	ug/l	100
45) 1,2-Dichloropropane	7.434	63	70057	20.060	ug/l	96
46) Dibromomethane	7.586	93	52558	19.701	ug/l	96
47) Bromodichloromethane	7.824	83	97785	19.466	ug/l	99
48) Methyl methacrylate	7.696	41	75521	19.911	ug/l	93
49) 1,4-Dioxane	7.665	88	39810	408.639	ug/l	97
51) 4-Methyl-2-Pentanone	8.574	43	501209	102.444	ug/l	96
52) Toluene	8.720	92	188387	20.503	ug/l	100
53) t-1,3-Dichloropropene	8.982	75	99097	19.221	ug/l	100
54) cis-1,3-Dichloropropene	8.366	75	112532	20.055	ug/l	93
55) 1,1,2-Trichloroethane	9.153	97	76057	20.331	ug/l	96
56) Ethyl methacrylate	9.116	69	111821	19.978	ug/l	92
57) 1,3-Dichloropropane	9.311	76	124278	20.463	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.244	63	290436	101.772	ug/l	97
59) 2-Hexanone	9.433	43	385379	102.273	ug/l	94
60) Dibromochloromethane	9.525	129	81835	19.872	ug/l	96
61) 1,2-Dibromoethane	9.610	107	82600	20.089	ug/l	97
64) Tetrachloroethene	9.275	164	79878	21.159	ug/l	98
65) Chlorobenzene	10.079	112	204897	20.514	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.165	131	75428	20.241	ug/l	100
67) Ethyl Benzene	10.195	91	353307	20.666	ug/l	98
68) m/p-Xylenes	10.305	106	282980	42.039	ug/l	99
69) o-Xylene	10.646	106	137835	21.089	ug/l	100
70) Styrene	10.659	104	227858	21.342	ug/l	99
71) Bromoform	10.799	173	59838	20.100	ug/l #	98
73) Isopropylbenzene	10.963	105	349110	21.225	ug/l	99
74) N-amyl acetate	10.848	43	119997	20.575	ug/l	94
75) 1,1,2,2-Tetrachloroethane	11.213	83	111767	21.452	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	103843m	21.985	ug/l	
77) Bromobenzene	11.201	156	89712	21.639	ug/l	95
78) n-propylbenzene	11.305	91	395824	21.923	ug/l	97
79) 2-Chlorotoluene	11.366	91	244595	21.596	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	301614	21.788	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	29189	18.768	ug/l #	84
82) 4-Chlorotoluene	11.457	91	272081	21.098	ug/l	97
83) tert-Butylbenzene	11.719	119	298734	21.784	ug/l	96
84) 1,2,4-Trimethylbenzene	11.756	105	308170	22.322	ug/l	100
85) sec-Butylbenzene	11.890	105	339948	20.513	ug/l	100
86) p-Isopropyltoluene	12.012	119	297668	20.912	ug/l	97
87) 1,3-Dichlorobenzene	11.969	146	156249	20.341	ug/l	99
88) 1,4-Dichlorobenzene	12.042	146	156821	20.177	ug/l	98
89) n-Butylbenzene	12.335	91	244732	20.602	ug/l	97
90) Hexachloroethane	12.542	117	44267	19.501	ug/l	100
91) 1,2-Dichlorobenzene	12.335	146	154184	20.557	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.945	75	24871	20.813	ug/l	94
93) 1,2,4-Trichlorobenzene	13.591	180	98515	20.493	ug/l	99
94) Hexachlorobutadiene	13.725	225	44021	20.730	ug/l	94
95) Naphthalene	13.780	128	330664	21.129	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	98750	20.307	ug/l	97

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

