

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX032519\
 Data File : VX008419.D
 Acq On : 25 Mar 2019 18:40
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 3/27/2019 8:56:05 AM

Quant Time: Mar 26 08:04:12 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X032519W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 26 04:58:03 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	226529	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	375047	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	341305	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	174678	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	173386	50.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.98%	
35) Dibromofluoromethane	5.49	113	130014	53.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.34%	
50) Toluene-d8	8.71	98	520560	53.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.48%	
62) 4-Bromofluorobenzene	11.13	95	202465	55.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.76%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.20	85	139796	52.355	ug/l	100
3) Chloromethane	1.32	50	187222	55.634	ug/l	99
4) Vinyl Chloride	1.40	62	191544	51.377	ug/l	99
5) Bromomethane	1.64	94	99734	50.934	ug/l	97
6) Chloroethane	1.71	64	120330	54.482	ug/l	99
7) Trichlorofluoromethane	1.92	101	221989	52.574	ug/l	98
8) Diethyl Ether	2.18	74	103005	51.547	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.37	101	139822	54.793	ug/l	100
10) Methyl Iodide	2.51	142	133378	53.411	ug/l	100
11) Tert butyl alcohol	3.06	59	202584	266.249	ug/l	99
12) 1,1-Dichloroethene	2.37	96	136995	51.982	ug/l	97
13) Acrolein	2.29	56	179720	325.258	ug/l	99
14) Allyl chloride	2.72	41	305186	52.563	ug/l	100
15) Acrylonitrile	3.14	53	503603	252.412	ug/l	100
16) Acetone	2.44	43	465354	259.262	ug/l	100
17) Carbon Disulfide	2.56	76	415700	47.550	ug/l	100
18) Methyl Acetate	2.77	43	216161	50.143	ug/l	99
19) Methyl tert-butyl Ether	3.19	73	504447	53.117	ug/l	97
20) Methylene Chloride	2.85	84	162675	55.603	ug/l	97
21) trans-1,2-Dichloroethene	3.16	96	146673	55.885	ug/l	97
22) Diisopropyl ether	3.85	45	604084	52.839	ug/l	94
23) Vinyl Acetate	3.81	43	2687714	269.468	ug/l	99
24) 1,1-Dichloroethane	3.69	63	303961	52.664	ug/l	99
25) 2-Butanone	4.67	43	745930	259.221	ug/l	99
26) 2,2-Dichloropropane	4.58	77	214796	55.953	ug/l	99
27) cis-1,2-Dichloroethene	4.59	96	171466	53.207	ug/l	98
28) Bromochloromethane	5.01	49	141779	49.721	ug/l	100
29) Tetrahydrofuran	5.12	42	476579	251.289	ug/l	99
30) Chloroform	5.21	83	274449	52.690	ug/l	99
31) Cyclohexane	5.57	56	296319	53.830	ug/l	98
32) 1,1,1-Trichloroethane	5.49	97	225949	54.269	ug/l	99
36) 1,1-Dichloropropene	5.79	75	218190	54.563	ug/l	99
37) Ethyl Acetate	4.83	43	279955	54.041	ug/l	99
38) Carbon Tetrachloride	5.78	117	188892	56.603	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	281215	58.845	ug/l	98
40) Benzene	6.14	78	648783	54.194	ug/l	100
41) Methacrylonitrile	5.04	41	157304	54.033	ug/l	99
42) 1,2-Dichloroethane	6.19	62	232956	53.148	ug/l	100
43) Isopropyl Acetate	6.44	43	457621	55.227	ug/l	100
44) Trichloroethene	7.21	130	151928	54.050	ug/l	99
45) 1,2-Dichloropropane	7.51	63	185780	54.597	ug/l	99
46) Dibromomethane	7.66	93	107502	54.101	ug/l	99
47) Bromodichloromethane	7.90	83	215994	56.791	ug/l	99
48) Methyl methacrylate	7.77	41	230789	55.665	ug/l	99
49) 1,4-Dioxane	7.74	88	89144	1081.356	ug/l	99
51) 4-Methyl-2-Pentanone	8.64	43	1508663	280.322	ug/l	100
52) Toluene	8.78	92	396895	55.447	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	248074	59.549	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	275516	58.161	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	158276	54.319	ug/l	98
56) Ethyl methacrylate	9.18	69	302585	57.529	ug/l	100
57) 1,3-Dichloropropane	9.37	76	282903	54.152	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	697215	256.439	ug/l	100
59) 2-Hexanone	9.49	43	1196275	286.864	ug/l	99
60) Dibromochloromethane	9.58	129	159907	57.705	ug/l	98
61) 1,2-Dibromoethane	9.67	107	163927	55.127	ug/l	99
64) Tetrachloroethene	9.34	164	125807	54.447	ug/l	99
65) Chlorobenzene	10.13	112	411221	55.403	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	143546	56.055	ug/l	100
67) Ethyl Benzene	10.25	91	778970	55.608	ug/l	100
68) m/p-Xylenes	10.36	106	572115	112.266	ug/l	100
69) o-Xylene	10.69	106	275347	55.677	ug/l	99
70) Styrene	10.71	104	494423	57.878	ug/l	99
71) Bromoform	10.85	173	119815	59.246	ug/l	100
73) Isopropylbenzene	11.02	105	747476	52.599	ug/l	99
74) N-amyl acetate	10.90	43	447576	54.414	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	279906	50.765	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	235415m	45.333	ug/l	
77) Bromobenzene	11.26	156	175969	51.020	ug/l	100
78) n-propylbenzene	11.36	91	910519	54.695	ug/l	100
79) 2-Chlorotoluene	11.42	91	526976	52.045	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	646591	53.819	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	95149	58.684	ug/l	99
82) 4-Chlorotoluene	11.51	91	627194	53.700	ug/l	100
83) tert-Butylbenzene	11.77	119	625460	53.959	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	651554	53.618	ug/l	100
85) sec-Butylbenzene	11.94	105	757345	54.866	ug/l	99
86) p-Isopropyltoluene	12.06	119	686472	56.360	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	330937	53.703	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	333829	53.677	ug/l	100
89) n-Butylbenzene	12.38	91	678956	58.844	ug/l	100
90) Hexachloroethane	12.60	117	115313	56.828	ug/l	100
91) 1,2-Dichlorobenzene	12.39	146	329768	53.438	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	61337	51.019	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	232635	55.993	ug/l	100
94) Hexachlorobutadiene	13.78	225	113660	57.613	ug/l	100
95) Naphthalene	13.83	128	757122	53.153	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	227116	54.400	ug/l	100

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

