

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX120319\
 Data File : VX013742.D
 Acq On : 03 Dec 2019 22:01
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

apatel
 12/4/2019 1:52:46 PM

Quant Time: Dec 04 04:13:49 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112619W.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 26 15:53:00 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	680687	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	1055490	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	955413	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	482536	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.05	65	372166	47.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.20%	
35) Dibromofluoromethane	5.49	113	312100	47.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.66%	
50) Toluene-d8	8.71	98	1185510	46.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.26%	
62) 4-Bromofluorobenzene	11.14	95	432105	47.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.26%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.19	85	350557	46.269	ug/l	96
3) Chloromethane	1.32	50	377172	44.367	ug/l	99
4) Vinyl Chloride	1.40	62	464045	48.498	ug/l	98
5) Bromomethane	1.63	94	223517	34.784	ug/l	99
6) Chloroethane	1.71	64	250923	46.084	ug/l	100
7) Trichlorofluoromethane	1.92	101	510255	48.025	ug/l	97
8) Diethyl Ether	2.18	74	231620	48.186	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.37	101	292365	45.050	ug/l	98
10) Methyl Iodide	2.50	142	246534	31.404	ug/l	99
11) Tert butyl alcohol	3.04	59	423192	216.990	ug/l	99
12) 1,1-Dichloroethene	2.36	96	311926	48.152	ug/l	99
13) Acrolein	2.28	56	254833	196.692	ug/l	99
14) Allyl chloride	2.72	41	566491	48.188	ug/l	99
15) Acrylonitrile	3.13	53	973970	241.936	ug/l	100
16) Acetone	2.43	43	1010707	259.093	ug/l	98
17) Carbon Disulfide	2.56	76	874435	47.352	ug/l	99
18) Methyl Acetate	2.76	43	572460	52.700	ug/l	99
19) Methyl tert-butyl Ether	3.19	73	1089456	50.767	ug/l	98
20) Methylene Chloride	2.85	84	355335	47.413	ug/l	97
21) trans-1,2-Dichloroethene	3.15	96	339287	48.078	ug/l	98
22) Diisopropyl ether	3.84	45	1115303	49.271	ug/l	97
23) Vinyl Acetate	3.80	43	4386209	232.926	ug/l	100
24) 1,1-Dichloroethane	3.69	63	614901	49.691	ug/l	98
25) 2-Butanone	4.66	43	1441086	248.568	ug/l	100
26) 2,2-Dichloropropane	4.57	77	444741	43.439	ug/l	99
27) cis-1,2-Dichloroethene	4.59	96	395050	48.746	ug/l	98
28) Bromochloromethane	5.00	49	252093	51.552	ug/l	100
29) Tetrahydrofuran	5.11	42	881969	246.773	ug/l	99
30) Chloroform	5.20	83	605688	48.264	ug/l	100
31) Cyclohexane	5.57	56	534784	45.819	ug/l	99
32) 1,1,1-Trichloroethane	5.48	97	525417	50.101	ug/l	99
36) 1,1-Dichloropropene	5.79	75	451019	47.073	ug/l	100
37) Ethyl Acetate	4.82	43	529566	49.268	ug/l	99
38) Carbon Tetrachloride	5.78	117	451652	51.122	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	527077	44.504	ug/l	96
40) Benzene	6.14	78	1406453	48.197	ug/l	100
41) Methacrylonitrile	5.03	41	293849	49.849	ug/l	99
42) 1,2-Dichloroethane	6.18	62	490641	49.301	ug/l	99
43) Isopropyl Acetate	6.43	43	884469	49.982	ug/l	100
44) Trichloroethene	7.20	130	385173	48.094	ug/l	97
45) 1,2-Dichloropropane	7.51	63	361704	49.541	ug/l	98
46) Dibromomethane	7.65	93	240072	48.414	ug/l	99
47) Bromodichloromethane	7.89	83	486675	51.916	ug/l	100
48) Methyl methacrylate	7.76	41	437002	50.827	ug/l	99
49) 1,4-Dioxane	7.73	88	162737	845.588	ug/l	98
51) 4-Methyl-2-Pentanone	8.64	43	2715968	244.000	ug/l	100
52) Toluene	8.78	92	898826	49.581	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	535714	50.207	ug/l	97
54) cis-1,3-Dichloropropene	8.43	75	581035	49.843	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	361582	49.495	ug/l	97
56) Ethyl methacrylate	9.17	69	596704	50.804	ug/l	99
57) 1,3-Dichloropropane	9.37	76	604908	48.038	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	1109062	240.837	ug/l	99
59) 2-Hexanone	9.48	43	2116353	243.782	ug/l	100
60) Dibromochloromethane	9.57	129	403258	53.189	ug/l	99
61) 1,2-Dibromoethane	9.67	107	384191	49.239	ug/l	99
64) Tetrachloroethene	9.33	164	427336	59.978	ug/l	99
65) Chlorobenzene	10.14	112	953786	48.083	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.21	131	366323	51.428	ug/l	100
67) Ethyl Benzene	10.25	91	1677879	49.224	ug/l	99
68) m/p-Xylenes	10.35	106	1285273	98.487	ug/l	100
69) o-Xylene	10.70	106	625400	49.136	ug/l	99
70) Styrene	10.71	104	1071267	50.035	ug/l	99
71) Bromoform	10.85	173	322730	54.758	ug/l #	100
73) Isopropylbenzene	11.01	105	1647117	48.662	ug/l	100
74) N-amyl acetate	10.89	43	783332	50.520	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	559903	47.699	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	449337m	41.402	ug/l	
77) Bromobenzene	11.25	156	441242	48.254	ug/l	98
78) n-propylbenzene	11.35	91	1839587	48.686	ug/l	99
79) 2-Chlorotoluene	11.42	91	1093849	48.259	ug/l	100
80) 1,3,5-Trimethylbenzene	11.50	105	1371245	49.429	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	190940	48.132	ug/l	98
82) 4-Chlorotoluene	11.51	91	1262309	48.084	ug/l	99
83) tert-Butylbenzene	11.76	119	1320436	46.835	ug/l	97
84) 1,2,4-Trimethylbenzene	11.80	105	1387469	49.280	ug/l	100
85) sec-Butylbenzene	11.94	105	1582808	49.151	ug/l	100
86) p-Isopropyltoluene	12.06	119	1465332	48.912	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	761300	47.761	ug/l	99
88) 1,4-Dichlorobenzene	12.09	146	760556	46.845	ug/l	99
89) n-Butylbenzene	12.39	91	1245583	48.748	ug/l	99
90) Hexachloroethane	12.59	117	273430	50.494	ug/l	96
91) 1,2-Dichlorobenzene	12.39	146	768518	48.798	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.99	75	128736	50.362	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	544565	49.614	ug/l	99
94) Hexachlorobutadiene	13.78	225	251758	47.748	ug/l	99
95) Naphthalene	13.83	128	1705549	52.178	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	543994	50.057	ug/l	100

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

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