

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX120919\
 Data File : VX013885.D
 Acq On : 10 Dec 2019 09:12
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDCCC050EC

Manual Integrations
 APPROVED

apatel
 12/11/2019 8:55:22 AM

Quant Time: Dec 10 10:17:03 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	574242	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	887207	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	808170	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	403025	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.04	65	314527	47.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.38%	
35) Dibromofluoromethane	5.48	113	266058	48.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.02%	
50) Toluene-d8	8.71	98	995655	46.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.18%	
62) 4-Bromofluorobenzene	11.13	95	371716	48.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.48%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.19	85	290545	45.457	ug/l	97
3) Chloromethane	1.32	50	338117	47.145	ug/l	99
4) Vinyl Chloride	1.40	62	398635	49.384	ug/l	99
5) Bromomethane	1.63	94	242318	44.700	ug/l	95
6) Chloroethane	1.71	64	219631	47.814	ug/l	96
7) Trichlorofluoromethane	1.92	101	422742	47.164	ug/l	99
8) Diethyl Ether	2.18	74	195883	48.305	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.37	101	269341	49.195	ug/l	99
10) Methyl Iodide	2.50	142	326336	49.275	ug/l	99
11) Tert butyl alcohol	3.03	59	328866	199.882	ug/l	100
12) 1,1-Dichloroethene	2.36	96	273859	50.113	ug/l	96
13) Acrolein	2.28	56	249842	227.612	ug/l	99
14) Allyl chloride	2.72	41	453145	45.692	ug/l	99
15) Acrylonitrile	3.12	53	810201	238.562	ug/l	100
16) Acetone	2.43	43	715875	217.531	ug/l	99
17) Carbon Disulfide	2.56	76	658355	42.260	ug/l	99
18) Methyl Acetate	2.76	43	471723	51.476	ug/l	98
19) Methyl tert-butyl Ether	3.18	73	896565	49.523	ug/l	99
20) Methylene Chloride	2.84	84	304088	48.097	ug/l	98
21) trans-1,2-Dichloroethene	3.15	96	283259	47.579	ug/l	100
22) Diisopropyl ether	3.84	45	958629	50.200	ug/l	97
23) Vinyl Acetate	3.79	43	3660401	230.415	ug/l	100
24) 1,1-Dichloroethane	3.69	63	518535	49.671	ug/l	98
25) 2-Butanone	4.65	43	1111652	227.289	ug/l	100
26) 2,2-Dichloropropane	4.57	77	259632	30.060	ug/l	97
27) cis-1,2-Dichloroethene	4.58	96	325978	47.679	ug/l	95
28) Bromochloromethane	5.00	49	222734	53.992	ug/l	97
29) Tetrahydrofuran	5.11	42	722555	239.645	ug/l	99
30) Chloroform	5.19	83	507974	47.980	ug/l	98
31) Cyclohexane	5.56	56	448699	45.570	ug/l	99
32) 1,1,1-Trichloroethane	5.48	97	426564	48.214	ug/l	100
36) 1,1-Dichloropropene	5.78	75	378692	47.021	ug/l	100
37) Ethyl Acetate	4.81	43	433952	48.031	ug/l	99
38) Carbon Tetrachloride	5.77	117	367662	49.509	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	440444	44.243	ug/l	98
40) Benzene	6.13	78	1161986	47.373	ug/l	99
41) Methacrylonitrile	5.02	41	249730	50.400	ug/l	99
42) 1,2-Dichloroethane	6.18	62	408116	48.787	ug/l	100
43) Isopropyl Acetate	6.43	43	711927	47.863	ug/l	100
44) Trichloroethene	7.20	130	321718	47.791	ug/l	97
45) 1,2-Dichloropropane	7.50	63	307592	50.121	ug/l	97
46) Dibromomethane	7.65	93	202000	48.463	ug/l	98
47) Bromodichloromethane	7.89	83	396547	50.326	ug/l	98
48) Methyl methacrylate	7.76	41	358592	49.618	ug/l	99
49) 1,4-Dioxane	7.73	88	131205	811.058	ug/l	98
51) 4-Methyl-2-Pentanone	8.63	43	2243309	239.764	ug/l	99
52) Toluene	8.78	92	739307	48.517	ug/l	100
53) t-1,3-Dichloropropene	9.03	75	412406	45.982	ug/l	97
54) cis-1,3-Dichloropropene	8.43	75	458874	46.830	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	307324	50.047	ug/l	98
56) Ethyl methacrylate	9.17	69	484650	49.090	ug/l	100
57) 1,3-Dichloropropane	9.36	76	514027	48.564	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.30	63	939765	242.781	ug/l	100
59) 2-Hexanone	9.48	43	1700509	233.035	ug/l	99
60) Dibromochloromethane	9.57	129	324015	50.844	ug/l	99
61) 1,2-Dibromoethane	9.67	107	318875	48.620	ug/l	99
64) Tetrachloroethene	9.33	164	359860	59.710	ug/l	97
65) Chlorobenzene	10.13	112	798185	47.570	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.21	131	301329	50.011	ug/l	99
67) Ethyl Benzene	10.25	91	1408971	48.866	ug/l	98
68) m/p-Xylenes	10.35	106	1070292	96.956	ug/l	99
69) o-Xylene	10.70	106	520696	48.364	ug/l	99
70) Styrene	10.71	104	904594	49.948	ug/l	99
71) Bromoform	10.85	173	249507	50.047	ug/l #	100
73) Isopropylbenzene	11.01	105	1384557	48.975	ug/l	100
74) N-amyl acetate	10.89	43	642311	49.598	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	473118	48.257	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	437075m	48.217	ug/l	
77) Bromobenzene	11.25	156	362806	47.504	ug/l	99
78) n-propylbenzene	11.35	91	1569121	49.721	ug/l	100
79) 2-Chlorotoluene	11.42	91	926361	48.933	ug/l	100
80) 1,3,5-Trimethylbenzene	11.50	105	1155038	49.850	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	132537	40.001	ug/l	99
82) 4-Chlorotoluene	11.51	91	1072025	48.892	ug/l	99
83) tert-Butylbenzene	11.76	119	1093351	46.431	ug/l	95
84) 1,2,4-Trimethylbenzene	11.80	105	1150781	48.937	ug/l	99
85) sec-Butylbenzene	11.94	105	1341959	49.893	ug/l	99
86) p-Isopropyltoluene	12.06	119	1222007	48.837	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	638054	47.926	ug/l	99
88) 1,4-Dichlorobenzene	12.09	146	641845	47.332	ug/l	99
89) n-Butylbenzene	12.38	91	1070908	50.180	ug/l	99
90) Hexachloroethane	12.59	117	228737	50.574	ug/l	97
91) 1,2-Dichlorobenzene	12.38	146	640980	48.729	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.99	75	100367	47.010	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	440430	48.043	ug/l	100
94) Hexachlorobutadiene	13.77	225	206791	46.957	ug/l	98
95) Naphthalene	13.83	128	1352409	49.537	ug/l	100
96) 1,2,3-Trichlorobenzene	14.01	180	437931	48.247	ug/l	99

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

