

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX110419\
 Data File : VX013319.D
 Acq On : 04 Nov 2019 11:48
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 11/5/2019 10:37:01 AM

Quant Time: Nov 05 00:39:25 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X103119W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 02 07:06:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	757590	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	1136882	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	1045022	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	533951	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.04	65	428106	47.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.40%	
35) Dibromofluoromethane	5.48	113	349438	49.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.00%	
50) Toluene-d8	8.71	98	1330633	49.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.00%	
62) 4-Bromofluorobenzene	11.13	95	483479	49.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.66%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.19	85	423084	48.469	ug/l	98
3) Chloromethane	1.31	50	453970	47.958	ug/l	97
4) Vinyl Chloride	1.40	62	515762	47.859	ug/l	100
5) Bromomethane	1.62	94	319749	42.577	ug/l	99
6) Chloroethane	1.71	64	280148	45.366	ug/l	100
7) Trichlorofluoromethane	1.92	101	567797	44.596	ug/l	100
8) Diethyl Ether	2.17	74	265753	47.201	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.37	101	346465	48.823	ug/l	99
10) Methyl Iodide	2.50	142	418774	47.664	ug/l	98
11) Tert butyl alcohol	3.02	59	512727	216.743	ug/l	99
12) 1,1-Dichloroethene	2.36	96	340133	48.945	ug/l	99
13) Acrolein	2.28	56	290191	226.343	ug/l	98
14) Allyl chloride	2.72	41	643582	50.971	ug/l	97
15) Acrylonitrile	3.12	53	1110969	251.417	ug/l	99
16) Acetone	2.42	43	1104694	246.765	ug/l	98
17) Carbon Disulfide	2.56	76	930577	50.031	ug/l	100
18) Methyl Acetate	2.76	43	625111	50.579	ug/l	100
19) Methyl tert-butyl Ether	3.17	73	1188763	51.289	ug/l	98
20) Methylene Chloride	2.84	84	390579	47.221	ug/l	97
21) trans-1,2-Dichloroethene	3.15	96	363376	48.025	ug/l	95
22) Diisopropyl ether	3.84	45	1259397	51.663	ug/l	99
23) Vinyl Acetate	3.80	43	5410393	259.376	ug/l	99
24) 1,1-Dichloroethane	3.68	63	669112	49.067	ug/l	99
25) 2-Butanone	4.65	43	1640570	249.805	ug/l	99
26) 2,2-Dichloropropane	4.56	77	553461	51.018	ug/l	99
27) cis-1,2-Dichloroethene	4.58	96	420630	49.626	ug/l	99
28) Bromochloromethane	5.00	49	207093	53.486	ug/l	100
29) Tetrahydrofuran	5.11	42	1025175	253.311	ug/l	100
30) Chloroform	5.19	83	660339	49.040	ug/l	99
31) Cyclohexane	5.56	56	602835	49.128	ug/l	99
32) 1,1,1-Trichloroethane	5.48	97	557986	48.151	ug/l	99
36) 1,1-Dichloropropene	5.78	75	495213	50.775	ug/l	99
37) Ethyl Acetate	4.81	43	608209	50.468	ug/l	99
38) Carbon Tetrachloride	5.77	117	486696	51.031	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	622086	51.190	ug/l	97
40) Benzene	6.13	78	1492548	49.128	ug/l	99
41) Methacrylonitrile	5.02	41	337398	49.949	ug/l	99
42) 1,2-Dichloroethane	6.17	62	546802	49.898	ug/l	99
43) Isopropyl Acetate	6.43	43	988422	52.670	ug/l	100
44) Trichloroethene	7.20	130	404326	48.349	ug/l	96
45) 1,2-Dichloropropane	7.50	63	396036	51.162	ug/l	100
46) Dibromomethane	7.65	93	265253	50.188	ug/l	99
47) Bromodichloromethane	7.89	83	522789	52.455	ug/l	97
48) Methyl methacrylate	7.76	41	490115	52.320	ug/l	98
49) 1,4-Dioxane	7.73	88	207749	968.387	ug/l	99
51) 4-Methyl-2-Pentanone	8.63	43	3149529	255.803	ug/l	100
52) Toluene	8.78	92	941544	50.003	ug/l	100
53) t-1,3-Dichloropropene	9.03	75	600299	55.083	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	655377	53.760	ug/l	97
55) 1,1,2-Trichloroethane	9.21	97	399264	51.157	ug/l	98
56) Ethyl methacrylate	9.17	69	657152	49.342	ug/l	99
57) 1,3-Dichloropropane	9.36	76	664178	50.132	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.30	63	1396256	261.646	ug/l	100
59) 2-Hexanone	9.48	43	2462784	258.840	ug/l	99
60) Dibromochloromethane	9.57	129	430824	53.974	ug/l	99
61) 1,2-Dibromoethane	9.67	107	422134	50.936	ug/l	99
64) Tetrachloroethene	9.33	164	359037	47.993	ug/l	96
65) Chlorobenzene	10.13	112	1031437	48.752	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.21	131	392769	50.561	ug/l	98
67) Ethyl Benzene	10.25	91	1826575	50.023	ug/l	99
68) m/p-Xylenes	10.36	106	1391157	100.739	ug/l	99
69) o-Xylene	10.69	106	672480	49.740	ug/l	100
70) Styrene	10.71	104	1172094	51.862	ug/l	99
71) Bromoform	10.85	173	342471	47.704	ug/l	98
73) Isopropylbenzene	11.01	105	1786268	50.457	ug/l	100
74) N-amyl acetate	10.89	43	879972	53.603	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	638190	49.414	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	531401m	48.999	ug/l	
77) Bromobenzene	11.25	156	473373	50.158	ug/l	97
78) n-propylbenzene	11.35	91	2059973	52.237	ug/l	100
79) 2-Chlorotoluene	11.42	91	1194838	50.288	ug/l	100
80) 1,3,5-Trimethylbenzene	11.50	105	1523336	51.660	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	223186	52.970	ug/l	98
82) 4-Chlorotoluene	11.51	91	1394281	50.130	ug/l	99
83) tert-Butylbenzene	11.76	119	1549248	52.192	ug/l	100
84) 1,2,4-Trimethylbenzene	11.80	105	1537638	51.981	ug/l	99
85) sec-Butylbenzene	11.94	105	1756954	51.500	ug/l	100
86) p-Isopropyltoluene	12.06	119	1651941	52.586	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	843638	50.149	ug/l	100
88) 1,4-Dichlorobenzene	12.09	146	843878	49.235	ug/l	99
89) n-Butylbenzene	12.38	91	1445835	52.746	ug/l	100
90) Hexachloroethane	12.59	117	296989	53.061	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	844669	50.230	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.99	75	142885	45.410	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	605664	51.634	ug/l	99
94) Hexachlorobutadiene	13.78	225	294197	51.266	ug/l	100
95) Naphthalene	13.83	128	1915501	52.048	ug/l	99
96) 1,2,3-Trichlorobenzene	14.01	180	605915	51.508	ug/l	99

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

