

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VO090419\
 Data File : VX012041.D
 Acq On : 04 Sep 2019 10:04
 Operator : SY/SP
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA X/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

sam
 9/5/2019 2:55:39 PM

Quant Time: Sep 04 13:23:50 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X090319S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 03 15:26:48 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	159478	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	283130	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	254511	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	121023	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	108181	49.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.32%	
35) Dibromofluoromethane	5.48	113	87277	50.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.26%	
50) Toluene-d8	8.71	98	337722	52.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.72%	
62) 4-Bromofluorobenzene	11.14	95	143909	48.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.86%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	80028	54.417	ug/l	98
3) Chloromethane	1.31	50	79219	52.597	ug/l	99
4) Vinyl Chloride	1.39	62	76880	54.255	ug/l	96
5) Bromomethane	1.62	94	37474	53.310	ug/l	100
6) Chloroethane	1.71	64	46902	53.243	ug/l	99
7) Trichlorofluoromethane	1.92	101	126629	57.535	ug/l	99
8) Diethyl Ether	2.17	74	38908	51.156	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	2.37	101	91878	56.361	ug/l #	83
10) Methyl Iodide	2.50	142	76858	47.048	ug/l	94
11) Tert butyl alcohol	3.03	59	46818	221.512	ug/l #	93
12) 1,1-Dichloroethene	2.36	96	85309	54.324	ug/l	92
13) Acrolein	2.28	56	22097	415.907	ug/l	99
14) Allyl chloride	2.72	41	152212	53.567	ug/l	99
15) Acrylonitrile	3.12	53	114323	239.203	ug/l	99
16) Acetone	2.43	43	130688	248.474	ug/l	99
17) Carbon Disulfide	2.56	76	263160	57.341	ug/l	99
18) Methyl Acetate	2.76	43	56166	45.331	ug/l	99
19) Methyl tert-butyl Ether	3.18	73	256384	50.149	ug/l	99
20) Methylene Chloride	2.84	84	97974	46.388	ug/l	94
21) trans-1,2-Dichloroethene	3.15	96	98455	53.427	ug/l	94
22) Diisopropyl ether	3.84	45	296888	51.260	ug/l	99
23) Vinyl Acetate	3.80	43	970447	259.019	ug/l	97
24) 1,1-Dichloroethane	3.68	63	173933	51.780	ug/l	98
25) 2-Butanone	4.65	43	167489	250.167	ug/l	100
26) 2,2-Dichloropropane	4.57	77	165084	53.231	ug/l	97
27) cis-1,2-Dichloroethene	4.58	96	110765	51.277	ug/l	91
28) Bromochloromethane	5.00	49	64994	48.472	ug/l #	80
29) Tetrahydrofuran	5.11	42	96884	240.181	ug/l	99
30) Chloroform	5.19	83	183616	50.943	ug/l	98
31) Cyclohexane	5.56	56	148653	55.102	ug/l	98
32) 1,1,1-Trichloroethane	5.48	97	170469	54.304	ug/l	98
36) 1,1-Dichloropropene	5.79	75	138613	55.586	ug/l	96
37) Ethyl Acetate	4.81	43	69161	51.003	ug/l	99
38) Carbon Tetrachloride	5.77	117	149574	56.923	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	162179	56.036	ug/l	94
40) Benzene	6.13	78	387661	54.151	ug/l	98
41) Methacrylonitrile	5.02	41	41471	51.283	ug/l	98
42) 1,2-Dichloroethane	6.18	62	137823	53.498	ug/l	97
43) Isopropyl Acetate	6.43	43	141891	51.461	ug/l	99
44) Trichloroethene	7.20	130	105353	54.562	ug/l	84
45) 1,2-Dichloropropane	7.50	63	96671	52.266	ug/l	98
46) Dibromomethane	7.65	93	56440	52.273	ug/l #	75
47) Bromodichloromethane	7.89	83	145677	53.080	ug/l #	98
48) Methyl methacrylate	7.76	41	71257	51.398	ug/l	98
49) 1,4-Dioxane	7.73	88	17162	908.079	ug/l	93
51) 4-Methyl-2-Pentanone	8.64	43	353617	252.142	ug/l	99
52) Toluene	8.78	92	248403	53.330	ug/l	100
53) t-1,3-Dichloropropene	9.03	75	147374	51.868	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	168261	53.253	ug/l	97
55) 1,1,2-Trichloroethane	9.21	97	78386	50.780	ug/l	98
56) Ethyl methacrylate	9.17	69	113244	51.217	ug/l	96
57) 1,3-Dichloropropane	9.37	76	138499	51.995	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	207750	208.410	ug/l	93
59) 2-Hexanone	9.48	43	259138	253.229	ug/l	99
60) Dibromochloromethane	9.57	129	95705	52.022	ug/l	98
61) 1,2-Dibromoethane	9.67	107	77074	51.672	ug/l	97
64) Tetrachloroethene	9.33	164	88058	55.497	ug/l #	87
65) Chlorobenzene	10.14	112	263450	52.463	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.21	131	98883	53.853	ug/l	97
67) Ethyl Benzene	10.25	91	494531	54.026	ug/l	95
68) m/p-Xylenes	10.35	106	362623	107.523	ug/l	91
69) o-Xylene	10.70	106	173087	52.927	ug/l	90
70) Styrene	10.71	104	301519	53.082	ug/l	95
71) Bromoform	10.85	173	52900	52.453	ug/l #	98
73) Isopropylbenzene	11.01	105	481935	54.274	ug/l	97
74) N-amyl acetate	10.89	43	137151	52.240	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	94273	50.926	ug/l	98
76) 1,2,3-Trichloropropane	11.29	75	85666m	57.933	ug/l	
77) Bromobenzene	11.25	156	105351	53.048	ug/l #	68
78) n-propylbenzene	11.35	91	588964	54.902	ug/l	94
79) 2-Chlorotoluene	11.42	91	348841	53.675	ug/l	90
80) 1,3,5-Trimethylbenzene	11.50	105	423218	54.387	ug/l	93
81) trans-1,4-Dichloro-2-buten	11.07	75	31724	50.720	ug/l	97
82) 4-Chlorotoluene	11.51	91	414573	53.519	ug/l	91
83) tert-Butylbenzene	11.76	119	395028	53.261	ug/l	89
84) 1,2,4-Trimethylbenzene	11.80	105	424808	53.116	ug/l	95
85) sec-Butylbenzene	11.94	105	491764	53.382	ug/l	94
86) p-Isopropyltoluene	12.06	119	443209	52.902	ug/l	95
87) 1,3-Dichlorobenzene	12.02	146	211182	53.068	ug/l	93
88) 1,4-Dichlorobenzene	12.09	146	204931	51.503	ug/l	94
89) n-Butylbenzene	12.38	91	444389	54.604	ug/l	95
90) Hexachloroethane	12.59	117	87316	52.197	ug/l	55
91) 1,2-Dichlorobenzene	12.38	146	189654	52.917	ug/l	94
92) 1,2-Dibromo-3-Chloropropan	12.99	75	19556	50.483	ug/l	66

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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	133450	52.314	ug/l	97
94) Hexachlorobutadiene	13.77	225	67327	52.358	ug/l	99
95) Naphthalene	13.83	128	290615	52.638	ug/l	99
96) 1,2,3-Trichlorobenzene	14.01	180	118488	52.796	ug/l	96

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

