

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW021119\
 Data File : VW008589.D
 Acq On : 11 Feb 2019 11:09
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 2/12/2019 1:42:44 PM

Quant Time: Feb 12 04:38:49 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W012419S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 25 11:07:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	469579	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	715755	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	634793	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	365165	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	222264	48.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.36%	
35) Dibromofluoromethane	7.88	113	216130	51.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.28%	
50) Toluene-d8	10.32	98	835438	49.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.56%	
62) 4-Bromofluorobenzene	12.62	95	323249	50.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.22%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	109319	40.917	ug/l	99
3) Chloromethane	2.21	50	170582	44.503	ug/l	97
4) Vinyl Chloride	2.36	62	279891	57.362	ug/l	96
5) Bromomethane	2.78	94	192806	61.262	ug/l	98
6) Chloroethane	2.92	64	197463	66.172	ug/l	99
7) Trichlorofluoromethane	3.25	101	190926	45.461	ug/l	99
8) Diethyl Ether	3.67	74	124732	53.264	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.06	101	238318	56.113	ug/l	98
10) Methyl Iodide	4.26	142	358702	53.470	ug/l	100
11) Tert butyl alcohol	5.17	59	87807	236.413	ug/l	99
12) 1,1-Dichloroethene	4.03	96	222380	51.738	ug/l	99
13) Acrolein	3.88	56	74042	226.352	ug/l	100
14) Allyl chloride	4.65	41	406576	49.815	ug/l	94
15) Acrylonitrile	5.36	53	257754	254.899	ug/l	99
16) Acetone	4.12	43	263944	254.783	ug/l	99
17) Carbon Disulfide	4.37	76	609750	44.418	ug/l	100
18) Methyl Acetate	4.66	43	147837	53.504	ug/l	97
19) Methyl tert-butyl Ether	5.42	73	395776	55.653	ug/l	100
20) Methylene Chloride	4.90	84	233643	48.933	ug/l	98
21) trans-1,2-Dichloroethene	5.41	96	248684	51.464	ug/l	98
22) Diisopropyl ether	6.31	45	803876	51.969	ug/l	99
23) Vinyl Acetate	6.24	43	2279092	249.523	ug/l	99
24) 1,1-Dichloroethane	6.21	63	457189	52.216	ug/l	99
25) 2-Butanone	7.17	43	359959	250.158	ug/l	97
26) 2,2-Dichloropropane	7.16	77	321961	54.400	ug/l	100
27) cis-1,2-Dichloroethene	7.16	96	277974	52.784	ug/l	99
28) Bromochloromethane	7.51	49	179461	44.625	ug/l	98
29) Tetrahydrofuran	7.52	42	227555	249.554	ug/l	99
30) Chloroform	7.67	83	465380	54.038	ug/l	99
31) Cyclohexane	7.95	56	408339	45.102	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	402538	54.115	ug/l	99
36) 1,1-Dichloropropene	8.07	75	370381	54.781	ug/l	99
37) Ethyl Acetate	7.25	43	152534	50.993	ug/l	98
38) Carbon Tetrachloride	8.06	117	391425	57.532	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	455971	51.337	ug/l	99
40) Benzene	8.32	78	1003501	53.488	ug/l	98
41) Methacrylonitrile	7.48	41	90097	50.868	ug/l	93
42) 1,2-Dichloroethane	8.40	62	302718	55.678	ug/l	100
43) Isopropyl Acetate	8.42	43	321561	51.743	ug/l	98
44) Trichloroethene	9.09	130	283526	55.574	ug/l	97
45) 1,2-Dichloropropane	9.37	63	252864	54.055	ug/l	96
46) Dibromomethane	9.45	93	130416	54.204	ug/l	97
47) Bromodichloromethane	9.64	83	353364	55.526	ug/l	99
48) Methyl methacrylate	9.43	41	155259	51.094	ug/l	94
49) 1,4-Dioxane	9.44	88	43655	1073.423	ug/l	97
51) 4-Methyl-2-Pentanone	10.21	43	808181	263.237	ug/l	99
52) Toluene	10.38	92	667548	53.901	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	364137	53.773	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	415984	54.131	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	181795	54.474	ug/l	97
56) Ethyl methacrylate	10.65	69	236994	50.681	ug/l	97
57) 1,3-Dichloropropane	10.93	76	317542	53.112	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	549654	241.920	ug/l	100
59) 2-Hexanone	10.97	43	589495	271.981	ug/l	98
60) Dibromochloromethane	11.13	129	233963	54.554	ug/l	99
61) 1,2-Dibromoethane	11.23	107	175405	53.008	ug/l	100
64) Tetrachloroethene	10.86	164	235341	54.757	ug/l	96
65) Chlorobenzene	11.66	112	722249	55.736	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	267287	57.651	ug/l	99
67) Ethyl Benzene	11.73	91	1346815	56.542	ug/l	99
68) m/p-Xylenes	11.84	106	1049558	113.565	ug/l	100
69) o-Xylene	12.16	106	499272	56.857	ug/l	99
70) Styrene	12.18	104	835471	57.600	ug/l	99
71) Bromoform	12.35	173	141684	54.315	ug/l	99
73) Isopropylbenzene	12.46	105	1432736	52.628	ug/l	100
74) N-amyl acetate	12.27	43	342911	48.894	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	212558	49.317	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	151163m	47.613	ug/l	
77) Bromobenzene	12.75	156	308167	51.833	ug/l	97
78) n-propylbenzene	12.80	91	1748335	53.470	ug/l	100
79) 2-Chlorotoluene	12.89	91	971843	52.671	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	1219437	53.591	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	75494	46.965	ug/l	91
82) 4-Chlorotoluene	12.99	91	1052820	53.594	ug/l	100
83) tert-Butylbenzene	13.21	119	1075583	53.118	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	1271141	54.961	ug/l	99
85) sec-Butylbenzene	13.38	105	1601047	55.365	ug/l	99
86) p-Isopropyltoluene	13.50	119	1440505	56.868	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	670576	55.848	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	659537	55.270	ug/l	99
89) n-Butylbenzene	13.83	91	1386744	55.757	ug/l	99
90) Hexachloroethane	14.10	117	260665	52.620	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	581846	54.766	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	37087	45.350	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	395983	52.229	ug/l	98
94) Hexachlorobutadiene	15.24	225	248841	54.461	ug/l	100
95) Naphthalene	15.37	128	662477	49.765	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	333849	51.910	ug/l	100

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

