

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW051219\
 Data File : VW010398.D
 Acq On : 12 May 2019 10:04
 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
 5/13/2019 12:27:05 PM

Quant Time: May 13 05:28:57 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W050919S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 10 03:41:21 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	1347518	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	2115923	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	1901709	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	959792	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	704318	49.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.32%	
35) Dibromofluoromethane	7.88	113	645725	52.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.30%	
50) Toluene-d8	10.32	98	2609299	51.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.50%	
62) 4-Bromofluorobenzene	12.62	95	931569	52.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.98%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	521763	50.472	ug/l	100
3) Chloromethane	2.21	50	654491	47.448	ug/l	99
4) Vinyl Chloride	2.37	62	884833	51.616	ug/l	99
5) Bromomethane	2.78	94	495033	50.076	ug/l	99
6) Chloroethane	2.92	64	532048	53.667	ug/l	94
7) Trichlorofluoromethane	3.25	101	407535	47.488	ug/l	98
8) Diethyl Ether	3.67	74	402805	53.392	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	4.06	101	758252	53.922	ug/l	98
10) Methyl Iodide	4.26	142	1056689	53.064	ug/l	95
11) Tert butyl alcohol	5.17	59	185239	183.094	ug/l	98
12) 1,1-Dichloroethene	4.03	96	779757	53.067	ug/l	97
13) Acrolein	3.89	56	312431	233.903	ug/l	97
14) Allyl chloride	4.66	41	1236582	56.378	ug/l	92
15) Acrylonitrile	5.37	53	876923	209.711	ug/l	99
16) Acetone	4.12	43	857459	229.594	ug/l	95
17) Carbon Disulfide	4.38	76	2268466	51.045	ug/l	100
18) Methyl Acetate	4.67	43	365980	39.563	ug/l	94
19) Methyl tert-butyl Ether	5.42	73	911694	52.121	ug/l	99
20) Methylene Chloride	4.91	84	804006	51.615	ug/l	96
21) trans-1,2-Dichloroethene	5.42	96	859430	54.337	ug/l	98
22) Diisopropyl ether	6.31	45	2521517	59.235	ug/l	93
23) Vinyl Acetate	6.25	43	7709430	263.757	ug/l	96
24) 1,1-Dichloroethane	6.21	63	1595763	55.680	ug/l	99
25) 2-Butanone	7.17	43	1182801	207.025	ug/l	97
26) 2,2-Dichloropropane	7.17	77	815021	57.157	ug/l	98
27) cis-1,2-Dichloroethene	7.17	96	910190	55.957	ug/l	97
28) Bromochloromethane	7.51	49	534649	50.600	ug/l	99
29) Tetrahydrofuran	7.53	42	745888	201.843	ug/l	96
30) Chloroform	7.67	83	1523562	56.804	ug/l	98
31) Cyclohexane	7.95	56	1526358	52.015	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	1150005	55.354	ug/l	99
36) 1,1-Dichloropropene	8.08	75	1276283	55.630	ug/l	100
37) Ethyl Acetate	7.25	43	520655	42.623	ug/l	98
38) Carbon Tetrachloride	8.06	117	1096672	55.763	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	1584642	56.462	ug/l	98
40) Benzene	8.32	78	3505682	55.795	ug/l	100
41) Methacrylonitrile	7.48	41	305685	44.622	ug/l	95
42) 1,2-Dichloroethane	8.40	62	992745	55.200	ug/l	97
43) Isopropyl Acetate	8.42	43	930222	45.917	ug/l	96
44) Trichloroethene	9.09	130	873372	55.524	ug/l	99
45) 1,2-Dichloropropane	9.37	63	890855	57.040	ug/l	99
46) Dibromomethane	9.46	93	420848	52.160	ug/l	98
47) Bromodichloromethane	9.64	83	1113967	57.557	ug/l	99
48) Methyl methacrylate	9.43	41	457691	47.781	ug/l	87
49) 1,4-Dioxane	9.45	88	116598	828.667	ug/l	96
51) 4-Methyl-2-Pentanone	10.21	43	2573023	221.496	ug/l	95
52) Toluene	10.38	92	2210579	57.562	ug/l	97
53) t-1,3-Dichloropropene	10.60	75	1122988	57.283	ug/l	96
54) cis-1,3-Dichloropropene	10.07	75	1352649	58.260	ug/l	91
55) 1,1,2-Trichloroethane	10.79	97	607695	53.029	ug/l	97
56) Ethyl methacrylate	10.65	69	810848	53.581	ug/l #	89
57) 1,3-Dichloropropane	10.93	76	1100717	53.729	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	1758564	242.711	ug/l	100
59) 2-Hexanone	10.97	43	1883772	229.356	ug/l	93
60) Dibromochloromethane	11.13	129	690313	55.980	ug/l	100
61) 1,2-Dibromoethane	11.24	107	565527	51.407	ug/l	99
64) Tetrachloroethene	10.86	164	714271	53.738	ug/l	98
65) Chlorobenzene	11.66	112	2230694	56.665	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	762710	57.324	ug/l	97
67) Ethyl Benzene	11.73	91	4266855	58.919	ug/l	99
68) m/p-Xylenes	11.84	106	3165486	117.646	ug/l	99
69) o-Xylene	12.16	106	1454523	59.758	ug/l	98
70) Styrene	12.18	104	2561321	60.393	ug/l	99
71) Bromoform	12.35	173	379716	49.924	ug/l #	99
73) Isopropylbenzene	12.46	105	4115509	58.827	ug/l	100
74) N-amyl acetate	12.27	43	897853	49.677	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.72	83	708071	45.935	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	506469m	45.259	ug/l	
77) Bromobenzene	12.75	156	890630	56.382	ug/l	99
78) n-propylbenzene	12.80	91	5048076	58.423	ug/l	100
79) 2-Chlorotoluene	12.90	91	2829608	57.505	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	3500875	59.358	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	223130	45.029	ug/l	95
82) 4-Chlorotoluene	12.99	91	2966963	57.547	ug/l	99
83) tert-Butylbenzene	13.21	119	2891306	58.774	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	3483164	59.431	ug/l	100
85) sec-Butylbenzene	13.38	105	4252959	58.563	ug/l	100
86) p-Isopropyltoluene	13.50	119	3838222	59.526	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	1800230	57.072	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	1758027	56.162	ug/l	99
89) n-Butylbenzene	13.83	91	3857634	59.667	ug/l	98
90) Hexachloroethane	14.10	117	675021	56.443	ug/l	93
91) 1,2-Dichlorobenzene	13.87	146	1555610	55.712	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	111198	40.060	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	1126438	59.110	ug/l	99
94) Hexachlorobutadiene	15.24	225	705236	57.727	ug/l	99
95) Naphthalene	15.37	128	1988851	45.994	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	984954	57.212	ug/l	99

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

