

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW071219\
 Data File : VW011219.D
 Acq On : 11 Jul 2019 10:25
 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
 7/15/2019 2:05:51 PM

Quant Time: Jul 12 08:46:05 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W070819S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 11 08:14:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	233330	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	377339	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	329262	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	157826	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	136383	46.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.04%	
35) Dibromofluoromethane	7.88	113	110365	49.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.14%	
50) Toluene-d8	10.32	98	459312	50.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.04%	
62) 4-Bromofluorobenzene	12.62	95	162141	48.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.32%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	85062	48.881	ug/l	96
3) Chloromethane	2.21	50	108735	48.492	ug/l	97
4) Vinyl Chloride	2.35	62	144007	49.067	ug/l	96
5) Bromomethane	2.77	94	73606	49.910	ug/l	96
6) Chloroethane	2.92	64	81145	51.332	ug/l	94
7) Trichlorofluoromethane	3.25	101	56798	54.476	ug/l	97
8) Diethyl Ether	3.67	74	69377	48.091	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.05	101	126395	50.611	ug/l	100
10) Methyl Iodide	4.27	142	173639	50.552	ug/l	99
11) Tert butyl alcohol	5.16	59	43658	201.127	ug/l	100
12) 1,1-Dichloroethene	4.03	96	131188	50.611	ug/l	97
13) Acrolein	3.89	56	59138	342.138	ug/l	98
14) Allyl chloride	4.66	41	256637	54.295	ug/l	99
15) Acrylonitrile	5.35	53	165526	225.293	ug/l	99
16) Acetone	4.11	43	201135	285.119	ug/l	99
17) Carbon Disulfide	4.38	76	391593	49.832	ug/l	100
18) Methyl Acetate	4.66	43	77258	38.177	ug/l	98
19) Methyl tert-butyl Ether	5.42	73	184414	46.889	ug/l	100
20) Methylene Chloride	4.92	84	136769	49.146	ug/l	96
21) trans-1,2-Dichloroethene	5.42	96	138692	51.493	ug/l	98
22) Diisopropyl ether	6.31	45	511403	50.304	ug/l	96
23) Vinyl Acetate	6.24	43	1599383	254.207	ug/l	99
24) 1,1-Dichloroethane	6.21	63	270811	50.728	ug/l	98
25) 2-Butanone	7.17	43	256394	231.536	ug/l	97
26) 2,2-Dichloropropane	7.16	77	144290	51.996	ug/l	100
27) cis-1,2-Dichloroethene	7.16	96	147065	50.618	ug/l	100
28) Bromochloromethane	7.51	49	113586	46.793	ug/l #	99
29) Tetrahydrofuran	7.52	42	157221	216.526	ug/l	100
30) Chloroform	7.67	83	246058	49.769	ug/l	98
31) Cyclohexane	7.95	56	280749	49.433	ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	191704	50.974	ug/l	99
36) 1,1-Dichloropropene	8.07	75	213514	53.135	ug/l	100
37) Ethyl Acetate	7.24	43	110432	45.741	ug/l	99
38) Carbon Tetrachloride	8.06	117	180448	52.973	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	261394	53.670	ug/l	99
40) Benzene	8.32	78	576684	51.930	ug/l	100
41) Methacrylonitrile	7.48	41	62869	45.530	ug/l	95
42) 1,2-Dichloroethane	8.40	62	175159	48.623	ug/l	100
43) Isopropyl Acetate	8.42	43	207363	45.493	ug/l	99
44) Trichloroethene	9.09	130	139657	52.260	ug/l	98
45) 1,2-Dichloropropane	9.37	63	152089	50.575	ug/l	100
46) Dibromomethane	9.46	93	67752	47.961	ug/l	99
47) Bromodichloromethane	9.64	83	182351	50.450	ug/l	99
48) Methyl methacrylate	9.43	41	107852	49.182	ug/l	96
49) 1,4-Dioxane	9.45	88	21150	896.971	ug/l	98
51) 4-Methyl-2-Pentanone	10.21	43	535633	224.955	ug/l	100
52) Toluene	10.38	92	352496	52.327	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	190507	49.516	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	232010	51.233	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	96267	48.036	ug/l	98
56) Ethyl methacrylate	10.65	69	145415	47.660	ug/l	99
57) 1,3-Dichloropropane	10.93	76	184238	48.616	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.92	63	316777	223.950	ug/l	99
59) 2-Hexanone	10.97	43	391489	237.083	ug/l	100
60) Dibromochloromethane	11.13	129	108139	49.208	ug/l	99
61) 1,2-Dibromoethane	11.23	107	90662	47.760	ug/l	99
64) Tetrachloroethene	10.86	164	114140	51.373	ug/l	98
65) Chlorobenzene	11.66	112	349931	52.273	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	121805	51.677	ug/l	99
67) Ethyl Benzene	11.73	91	685707	53.507	ug/l	99
68) m/p-Xylenes	11.84	106	496876	107.153	ug/l	100
69) o-Xylene	12.16	106	229634	52.541	ug/l	99
70) Styrene	12.18	104	401238	53.195	ug/l	100
71) Bromoform	12.35	173	58257	46.486	ug/l #	97
73) Isopropylbenzene	12.46	105	647757	54.904	ug/l	99
74) N-amyl acetate	12.27	43	196393	47.796	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	113312	46.853	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	80297m	44.025	ug/l	
77) Bromobenzene	12.75	156	139265	52.598	ug/l	96
78) n-propylbenzene	12.80	91	805149	55.399	ug/l	100
79) 2-Chlorotoluene	12.89	91	452097	54.057	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	545889	54.463	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	36235	44.935	ug/l	96
82) 4-Chlorotoluene	12.99	91	464837	53.362	ug/l	100
83) tert-Butylbenzene	13.21	119	463679	55.469	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	546805	54.331	ug/l	99
85) sec-Butylbenzene	13.38	105	662130	54.894	ug/l	100
86) p-Isopropyltoluene	13.50	119	600327	55.491	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	272433	53.479	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	267622	52.171	ug/l	99
89) n-Butylbenzene	13.82	91	610480	56.566	ug/l	99
90) Hexachloroethane	14.10	117	105599	53.416	ug/l	100
91) 1,2-Dichlorobenzene	13.87	146	237577	51.407	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	19178	44.707	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	172576	54.215	ug/l	100
94) Hexachlorobutadiene	15.24	225	108735	55.640	ug/l	99
95) Naphthalene	15.37	128	311688	51.098	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	150264	53.488	ug/l	99

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

