

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW070419\
 Data File : VW011153.D
 Acq On : 03 Jul 2019 21:11
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 7/8/2019 9:41:48 AM

Quant Time: Jul 04 05:11:41 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W062819S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 28 01:55:46 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	212340	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	356352	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	323448	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	157367	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	128505	46.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.58%	
35) Dibromofluoromethane	7.88	113	98619	45.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.64%	
50) Toluene-d8	10.32	98	407234	45.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.92%	
62) 4-Bromofluorobenzene	12.62	95	148651	45.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.74%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	70857	44.266	ug/l	95
3) Chloromethane	2.21	50	98622	45.959	ug/l	96
4) Vinyl Chloride	2.35	62	124211	44.456	ug/l	99
5) Bromomethane	2.76	94	62830	45.177	ug/l	98
6) Chloroethane	2.91	64	68820	46.719	ug/l	98
7) Trichlorofluoromethane	3.24	101	39154	47.687	ug/l	95
8) Diethyl Ether	3.67	74	67193	51.674	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.05	101	109495	47.417	ug/l	99
10) Methyl Iodide	4.27	142	152935	47.337	ug/l	99
11) Tert butyl alcohol	5.17	59	50304	249.518	ug/l	99
12) 1,1-Dichloroethene	4.04	96	112117	46.645	ug/l	98
13) Acrolein	3.89	56	40071	254.885	ug/l	100
14) Allyl chloride	4.66	41	195384	50.505	ug/l	100
15) Acrylonitrile	5.35	53	180250	281.493	ug/l	100
16) Acetone	4.12	43	166540	245.791	ug/l	98
17) Carbon Disulfide	4.38	76	315713	46.299	ug/l	98
18) Methyl Acetate	4.67	43	90164	51.371	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	179088	52.641	ug/l	95
20) Methylene Chloride	4.91	84	126570	45.976	ug/l	99
21) trans-1,2-Dichloroethene	5.42	96	121961	49.241	ug/l	98
22) Diisopropyl ether	6.31	45	481142	51.683	ug/l	96
23) Vinyl Acetate	6.25	43	1566135	273.030	ug/l	100
24) 1,1-Dichloroethane	6.21	63	244576	49.771	ug/l	99
25) 2-Butanone	7.17	43	274446	266.470	ug/l	100
26) 2,2-Dichloropropane	7.16	77	106347	41.682	ug/l	97
27) cis-1,2-Dichloroethene	7.17	96	135806	50.924	ug/l	97
28) Bromochloromethane	7.51	49	116569	50.957	ug/l	99
29) Tetrahydrofuran	7.52	42	181645	283.315	ug/l	100
30) Chloroform	7.67	83	224922	50.382	ug/l	98
31) Cyclohexane	7.95	56	240921	45.373	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	162151	48.607	ug/l	98
36) 1,1-Dichloropropene	8.08	75	184547	48.183	ug/l	99
37) Ethyl Acetate	7.25	43	120617	54.133	ug/l	99
38) Carbon Tetrachloride	8.06	117	150705	47.779	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	226196	47.988	ug/l	98
40) Benzene	8.32	78	520099	49.371	ug/l	99
41) Methacrylonitrile	7.48	41	66775	49.258	ug/l	91
42) 1,2-Dichloroethane	8.40	62	173455	50.217	ug/l	100
43) Isopropyl Acetate	8.42	43	228102	54.115	ug/l	99
44) Trichloroethene	9.09	130	123049	48.331	ug/l	100
45) 1,2-Dichloropropane	9.37	63	143552	50.180	ug/l	98
46) Dibromomethane	9.46	93	69036	51.599	ug/l	99
47) Bromodichloromethane	9.64	83	169142	51.061	ug/l	100
48) Methyl methacrylate	9.43	41	110798	54.212	ug/l	99
49) 1,4-Dioxane	9.45	88	24569	1092.169	ug/l	96
51) 4-Methyl-2-Pentanone	10.21	43	613626	276.559	ug/l	99
52) Toluene	10.38	92	320377	49.674	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	176324	51.104	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	209418	50.881	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	97123	51.381	ug/l	98
56) Ethyl methacrylate	10.65	69	155256	54.850	ug/l	98
57) 1,3-Dichloropropane	10.93	76	186711	51.928	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	369515	258.011	ug/l	99
59) 2-Hexanone	10.97	43	424143	274.115	ug/l	98
60) Dibromochloromethane	11.13	129	103793	52.363	ug/l	98
61) 1,2-Dibromoethane	11.23	107	92687	52.378	ug/l	100
64) Tetrachloroethene	10.86	164	105139	47.234	ug/l	95
65) Chlorobenzene	11.66	112	317943	48.021	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	112224	49.923	ug/l	99
67) Ethyl Benzene	11.73	91	619742	48.871	ug/l	99
68) m/p-Xylenes	11.84	106	447943	97.347	ug/l	99
69) o-Xylene	12.16	106	211008	49.232	ug/l	98
70) Styrene	12.18	104	374259	50.251	ug/l	100
71) Bromoform	12.35	173	58328	53.224	ug/l #	100
73) Isopropylbenzene	12.46	105	586169	49.721	ug/l	100
74) N-amyl acetate	12.27	43	215980	54.552	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	122706	53.004	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	86900m	52.306	ug/l	
77) Bromobenzene	12.74	156	129732	50.065	ug/l	99
78) n-propylbenzene	12.80	91	718242	49.198	ug/l	99
79) 2-Chlorotoluene	12.89	91	412962	49.513	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	494615	49.500	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	36890	47.471	ug/l	98
82) 4-Chlorotoluene	12.99	91	424026	48.785	ug/l	100
83) tert-Butylbenzene	13.21	119	416811	50.023	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	500816	49.587	ug/l	99
85) sec-Butylbenzene	13.38	105	599340	49.514	ug/l	100
86) p-Isopropyltoluene	13.50	119	537772	49.370	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	251086	48.985	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	251078	49.070	ug/l	99
89) n-Butylbenzene	13.82	91	539300	48.712	ug/l	100
90) Hexachloroethane	14.10	117	92141	49.439	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	229804	49.917	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	20952	53.253	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	160156	49.445	ug/l	100
94) Hexachlorobutadiene	15.24	225	95561	48.642	ug/l	99
95) Naphthalene	15.37	128	331281	54.448	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	143823	49.727	ug/l	100

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

