

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW061919\
 Data File : VW010846.D
 Acq On : 19 Jun 2019 11:43
 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
 6/20/2019 12:00:07 PM

Quant Time: Jun 20 05:58:36 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W060419S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 05 03:21:19 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	284673	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	455930	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	400407	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	188267	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	154579	46.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.14%	
35) Dibromofluoromethane	7.88	113	122812	49.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.26%	
50) Toluene-d8	10.32	98	518395	47.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.54%	
62) 4-Bromofluorobenzene	12.62	95	187322	47.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.88%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	116208	44.174	ug/l	99
3) Chloromethane	2.21	50	171538	44.320	ug/l	99
4) Vinyl Chloride	2.35	62	162871	45.547	ug/l	99
5) Bromomethane	2.76	94	89561	45.608	ug/l	97
6) Chloroethane	2.91	64	100141	46.654	ug/l	100
7) Trichlorofluoromethane	3.25	101	237302	51.122	ug/l	99
8) Diethyl Ether	3.68	74	77914	46.968	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	4.06	101	146190	51.225	ug/l	98
10) Methyl Iodide	4.27	142	130416	44.902	ug/l	98
11) Tert butyl alcohol	5.17	59	69109	252.819	ug/l	95
12) 1,1-Dichloroethene	4.03	96	137221	49.844	ug/l	94
13) Acrolein	3.90	56	22310	199.729	ug/l	99
14) Allyl chloride	4.67	41	324425	53.446	ug/l	98
15) Acrylonitrile	5.37	53	184345	228.744	ug/l	100
16) Acetone	4.12	43	227688	253.251	ug/l	99
17) Carbon Disulfide	4.38	76	416577	47.668	ug/l	99
18) Methyl Acetate	4.67	43	91115	47.080	ug/l	96
19) Methyl tert-butyl Ether	5.43	73	376026	47.358	ug/l	99
20) Methylene Chloride	4.92	84	147225	46.679	ug/l	96
21) trans-1,2-Dichloroethene	5.42	96	156664	50.129	ug/l	92
22) Diisopropyl ether	6.31	45	629992	51.840	ug/l	99
23) Vinyl Acetate	6.25	43	1830463	249.585	ug/l	99
24) 1,1-Dichloroethane	6.21	63	318733	52.336	ug/l	99
25) 2-Butanone	7.17	43	305899	245.372	ug/l	98
26) 2,2-Dichloropropane	7.17	77	288109	58.136	ug/l	98
27) cis-1,2-Dichloroethene	7.17	96	175500	51.028	ug/l	96
28) Bromochloromethane	7.51	49	126457	46.528	ug/l	95
29) Tetrahydrofuran	7.53	42	174567	222.620	ug/l	98
30) Chloroform	7.68	83	290685	52.183	ug/l	100
31) Cyclohexane	7.95	56	331635	48.986	ug/l	97
32) 1,1,1-Trichloroethane	7.87	97	260714	53.578	ug/l	100
36) 1,1-Dichloropropene	8.08	75	246974	52.920	ug/l	100
37) Ethyl Acetate	7.25	43	119982	46.394	ug/l	98
38) Carbon Tetrachloride	8.07	117	221732	55.037	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	311286	52.469	ug/l	99
40) Benzene	8.32	78	664010	52.154	ug/l	99
41) Methacrylonitrile	7.48	41	73067	47.532	ug/l	98
42) 1,2-Dichloroethane	8.40	62	205573	50.874	ug/l	99
43) Isopropyl Acetate	8.42	43	241880	48.412	ug/l	99
44) Trichloroethene	9.09	130	163884	52.182	ug/l	99
45) 1,2-Dichloropropane	9.37	63	176761	52.447	ug/l	98
46) Dibromomethane	9.46	93	77145	49.281	ug/l	98
47) Bromodichloromethane	9.64	83	216051	53.244	ug/l	97
48) Methyl methacrylate	9.44	41	115601	47.988	ug/l	99
49) 1,4-Dioxane	9.45	88	21063	860.618	ug/l	100
51) 4-Methyl-2-Pentanone	10.21	43	606099	237.456	ug/l	99
52) Toluene	10.39	92	407277	51.991	ug/l	98
53) t-1,3-Dichloropropene	10.60	75	223805	52.072	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	267632	52.918	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	110009	48.782	ug/l	99
56) Ethyl methacrylate	10.65	69	166791	48.066	ug/l	96
57) 1,3-Dichloropropane	10.93	76	209944	49.400	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	414949	228.305	ug/l	100
59) 2-Hexanone	10.97	43	442465	239.854	ug/l	99
60) Dibromochloromethane	11.13	129	126989	50.798	ug/l	99
61) 1,2-Dibromoethane	11.24	107	103587	48.481	ug/l	99
64) Tetrachloroethene	10.86	164	135044	50.796	ug/l	97
65) Chlorobenzene	11.66	112	409715	52.034	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	144961	53.183	ug/l	99
67) Ethyl Benzene	11.73	91	808294	53.414	ug/l	99
68) m/p-Xylenes	11.84	106	570415	105.300	ug/l	98
69) o-Xylene	12.17	106	269050	52.368	ug/l	98
70) Styrene	12.18	104	467196	52.348	ug/l	99
71) Bromoform	12.35	173	69627	49.392	ug/l	100
73) Isopropylbenzene	12.46	105	772890	54.631	ug/l	99
74) N-amyl acetate	12.27	43	225205	49.254	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.72	83	130819	48.572	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	96738m	48.930	ug/l	
77) Bromobenzene	12.75	156	159800	51.746	ug/l	98
78) n-propylbenzene	12.80	91	932451	54.660	ug/l	100
79) 2-Chlorotoluene	12.90	91	525151	53.883	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	623417	53.836	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	43729	50.835	ug/l	99
82) 4-Chlorotoluene	12.99	91	539592	53.650	ug/l	99
83) tert-Butylbenzene	13.21	119	534789	54.416	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	620068	53.212	ug/l	100
85) sec-Butylbenzene	13.38	105	780704	54.561	ug/l	100
86) p-Isopropyltoluene	13.50	119	688634	53.817	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	313204	52.591	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	307769	52.128	ug/l	99
89) n-Butylbenzene	13.83	91	704601	55.190	ug/l	100
90) Hexachloroethane	14.10	117	130779	57.071	ug/l	97
91) 1,2-Dichlorobenzene	13.87	146	273287	51.027	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	22074	47.728	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	194675	51.798	ug/l	99
94) Hexachlorobutadiene	15.24	225	125247	53.098	ug/l	99
95) Naphthalene	15.37	128	330804	48.445	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	166820	52.192	ug/l	99

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

