

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW010719\
 Data File : VW008062.D
 Acq On : 07 Jan 2019 11:39
 Operator : SY/AP
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 1/8/2019 11:53:28 AM

Quant Time: Jan 08 03:51:51 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W010219S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 03 05:03:55 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	79829	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	128348	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	103498	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	49150	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	43627	49.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.82%	
35) Dibromofluoromethane	7.88	113	39951	49.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.76%	
50) Toluene-d8	10.32	98	156723	51.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.28%	
62) 4-Bromofluorobenzene	12.62	95	51499	44.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.48%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	34545	47.156	ug/l	96
3) Chloromethane	2.21	50	25443	46.816	ug/l	98
4) Vinyl Chloride	2.37	62	35984	51.267	ug/l	96
5) Bromomethane	2.78	94	22346	50.110	ug/l	97
6) Chloroethane	2.93	64	18919	52.736	ug/l	99
7) Trichlorofluoromethane	3.26	101	33899	48.112	ug/l	94
8) Diethyl Ether	3.68	74	17261	47.697	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	4.06	101	40611	48.502	ug/l	100
10) Methyl Iodide	4.26	142	64469	47.859	ug/l	97
11) Tert butyl alcohol	5.18	59	10248	178.650	ug/l #	85
12) 1,1-Dichloroethene	4.03	96	39010	48.673	ug/l	97
13) Acrolein	3.89	56	9316	239.692	ug/l	98
14) Allyl chloride	4.67	41	55641	51.244	ug/l	96
15) Acrylonitrile	5.37	53	31361	235.613	ug/l	98
16) Acetone	4.12	43	35127	257.006	ug/l	96
17) Carbon Disulfide	4.37	76	121533	49.641	ug/l	97
18) Methyl Acetate	4.67	43	17576	49.586	ug/l	100
19) Methyl tert-butyl Ether	5.42	73	57514	45.599	ug/l	100
20) Methylene Chloride	4.91	84	37619	44.363	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	42140	48.325	ug/l	97
22) Diisopropyl ether	6.31	45	96270	49.397	ug/l	97
23) Vinyl Acetate	6.26	43	263138	241.318	ug/l	99
24) 1,1-Dichloroethane	6.21	63	69138	47.746	ug/l	99
25) 2-Butanone	7.17	43	39526	245.448	ug/l	100
26) 2,2-Dichloropropane	7.17	77	56748	47.566	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	43568	46.904	ug/l	98
28) Bromochloromethane	7.51	49	22895	49.192	ug/l	99
29) Tetrahydrofuran	7.52	42	22906	228.997	ug/l	98
30) Chloroform	7.67	83	75898	46.767	ug/l	96
31) Cyclohexane	7.96	56	63978	47.403	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	74986	48.288	ug/l	98
36) 1,1-Dichloropropene	8.08	75	62264	49.178	ug/l	99
37) Ethyl Acetate	7.25	43	17048	44.827	ug/l	99
38) Carbon Tetrachloride	8.07	117	71609	47.194	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	77195	48.914	ug/l	99
40) Benzene	8.32	78	159052	47.619	ug/l	98
41) Methacrylonitrile	7.48	41	12152	54.346	ug/l	97
42) 1,2-Dichloroethane	8.40	62	50809	45.656	ug/l	100
43) Isopropyl Acetate	8.42	43	36255	47.711	ug/l	99
44) Trichloroethene	9.09	130	45677	46.343	ug/l	99
45) 1,2-Dichloropropane	9.37	63	35114	48.569	ug/l	99
46) Dibromomethane	9.46	93	19356	45.792	ug/l	97
47) Bromodichloromethane	9.64	83	55248	46.666	ug/l	98
48) Methyl methacrylate	9.43	41	18741	48.914	ug/l	95
49) 1,4-Dioxane	9.45	88	5229	835.939	ug/l	95
51) 4-Methyl-2-Pentanone	10.21	43	82670	235.029	ug/l	100
52) Toluene	10.39	92	104233	47.270	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	54588	47.950	ug/l	94
54) cis-1,3-Dichloropropene	10.07	75	61556	48.456	ug/l	95
55) 1,1,2-Trichloroethane	10.79	97	26892	46.989	ug/l	94
56) Ethyl methacrylate	10.65	69	31769	49.103	ug/l	97
57) 1,3-Dichloropropane	10.93	76	45150	46.429	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.92	63	76402	248.995	ug/l	97
59) 2-Hexanone	10.97	43	58343	240.265	ug/l	99
60) Dibromochloromethane	11.13	129	34772	44.387	ug/l	98
61) 1,2-Dibromoethane	11.24	107	25380	44.315	ug/l	98
64) Tetrachloroethene	10.86	164	37825	52.908	ug/l	97
65) Chlorobenzene	11.66	112	113949	51.515	ug/l	91
66) 1,1,1,2-Tetrachloroethane	11.73	131	40065	50.017	ug/l	97
67) Ethyl Benzene	11.73	91	205591	52.364	ug/l	99
68) m/p-Xylenes	11.84	106	147390	97.102	ug/l	95
69) o-Xylene	12.17	106	71272	50.462	ug/l	98
70) Styrene	12.18	104	116036	50.405	ug/l	98
71) Bromoform	12.35	173	17223	46.409	ug/l #	98
73) Isopropylbenzene	12.47	105	210483	53.855	ug/l	97
74) N-amyl acetate	12.27	43	31095	51.112	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.72	83	25484	51.246	ug/l	95
76) 1,2,3-Trichloropropane	12.77	75	16139m	41.275	ug/l	
77) Bromobenzene	12.75	156	43086	51.290	ug/l	97
78) n-propylbenzene	12.81	91	228235	50.368	ug/l	97
79) 2-Chlorotoluene	12.90	91	135148	51.605	ug/l	98
80) 1,3,5-Trimethylbenzene	12.95	105	172113	51.161	ug/l	95
81) trans-1,4-Dichloro-2-buten	12.52	75	8271	50.023	ug/l	97
82) 4-Chlorotoluene	12.99	91	142461	51.157	ug/l	96
83) tert-Butylbenzene	13.21	119	153617	52.192	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	182487	53.554	ug/l	92
85) sec-Butylbenzene	13.38	105	208152	51.409	ug/l	99
86) p-Isopropyltoluene	13.51	119	185314	50.742	ug/l	99
87) 1,3-Dichlorobenzene	13.51	146	86456	51.008	ug/l	96
88) 1,4-Dichlorobenzene	13.58	146	84872	50.578	ug/l	96
89) n-Butylbenzene	13.83	91	175938	52.668	ug/l	98
90) Hexachloroethane	14.10	117	32489	51.268	ug/l	97
91) 1,2-Dichlorobenzene	13.88	146	74370	49.931	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	14.49	75	4931	48.856	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	48577	46.436	ug/l	96
94) Hexachlorobutadiene	15.24	225	29387	48.653	ug/l	98
95) Naphthalene	15.38	128	89891	50.454	ug/l	99
96) 1,2,3-Trichlorobenzene	15.57	180	41668	48.408	ug/l	97

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

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