

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW081219\
 Data File : VW011884.D
 Acq On : 13 Aug 2019 06:45
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 51 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 8/13/2019 2:37:03 PM

Quant Time: Aug 13 10:10:34 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W072719S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 27 00:23:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	181135	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	320013	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	294394	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	146092	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	140396	67.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	135.00%	
35) Dibromofluoromethane	7.88	113	105331	58.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	117.34%	
50) Toluene-d8	10.32	98	407884	55.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.98%	
62) 4-Bromofluorobenzene	12.62	95	152745	58.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	116.58%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	41757	41.364	ug/l 96
3) Chloromethane	2.21	50	80043	45.726	ug/l 99
4) Vinyl Chloride	2.36	62	89576	42.505	ug/l 100
5) Bromomethane	2.75	94	49370	42.323	ug/l 99
6) Chloroethane	2.90	64	55307	45.943	ug/l 94
7) Trichlorofluoromethane	3.25	101	44017	46.735	ug/l 99
8) Diethyl Ether	3.67	74	67271	62.995	ug/l 99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	83714	46.855	ug/l 100
10) Methyl Iodide	4.27	142	135541	53.682	ug/l 99
11) Tert butyl alcohol	5.17	59	49249	326.283	ug/l 99
12) 1,1-Dichloroethene	4.04	96	87472	46.369	ug/l 99
13) Acrolein	3.89	56	31877	213.593	ug/l 95
14) Allyl chloride	4.66	41	215905	53.811	ug/l 99
15) Acrylonitrile	5.36	53	187800	352.296	ug/l 98
16) Acetone	4.12	43	157944	238.722	ug/l 97
17) Carbon Disulfide	4.37	76	258614	43.801	ug/l 98
18) Methyl Acetate	4.66	43	124217	83.573	ug/l 99
19) Methyl tert-butyl Ether	5.42	73	199429	66.619	ug/l 96
20) Methylene Chloride	4.92	84	122464	53.670	ug/l 97
21) trans-1,2-Dichloroethene	5.42	96	107212	52.715	ug/l 96
22) Diisopropyl ether	6.31	45	472585	62.473	ug/l 99
23) Vinyl Acetate	6.25	43	1467333	308.700	ug/l 100
24) 1,1-Dichloroethane	6.21	63	231937	57.249	ug/l 100
25) 2-Butanone	7.17	43	270086	311.967	ug/l 99
26) 2,2-Dichloropropane	7.17	77	102692	41.216	ug/l 97
27) cis-1,2-Dichloroethene	7.17	96	127076	56.772	ug/l 98
28) Bromochloromethane	7.51	49	121427	67.525	ug/l 99
29) Tetrahydrofuran	7.52	42	178607	360.916	ug/l 99
30) Chloroform	7.67	83	218897	58.565	ug/l 100
31) Cyclohexane	7.95	56	169983	43.709	ug/l 100
32) 1,1,1-Trichloroethane	7.87	97	153286	53.851	ug/l 99
36) 1,1-Dichloropropene	8.08	75	155347	46.685	ug/l 99
37) Ethyl Acetate	7.25	43	120681	63.038	ug/l 99
38) Carbon Tetrachloride	8.07	117	134229	47.121	ug/l 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	159852	43.627	ug/l	97
40) Benzene	8.32	78	481100	51.616	ug/l	99
41) Methacrylonitrile	7.48	41	75305	65.804	ug/l	94
42) 1,2-Dichloroethane	8.40	62	173607	59.492	ug/l	99
43) Isopropyl Acetate	8.42	43	224236	63.689	ug/l	98
44) Trichloroethene	9.09	130	112527	50.231	ug/l	99
45) 1,2-Dichloropropane	9.37	63	138477	55.526	ug/l	97
46) Dibromomethane	9.46	93	67827	59.588	ug/l	98
47) Bromodichloromethane	9.65	83	171065	57.293	ug/l	100
48) Methyl methacrylate	9.43	41	111094	65.687	ug/l	98
49) 1,4-Dioxane	9.45	88	21595	1310.273	ug/l	98
51) 4-Methyl-2-Pentanone	10.21	43	610628	333.434	ug/l	99
52) Toluene	10.38	92	294956	52.402	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	177104	56.782	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	202995	54.738	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	96902	60.000	ug/l	99
56) Ethyl methacrylate	10.65	69	150808	63.813	ug/l	99
57) 1,3-Dichloropropane	10.93	76	182226	59.639	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.92	63	386585	360.274	ug/l	99
59) 2-Hexanone	10.97	43	416445	322.067	ug/l	100
60) Dibromochloromethane	11.13	129	106738	59.540	ug/l	99
61) 1,2-Dibromoethane	11.23	107	91981	60.183	ug/l	100
64) Tetrachloroethene	10.86	164	99908	52.122	ug/l	97
65) Chlorobenzene	11.66	112	302331	51.081	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	111413	54.041	ug/l	99
67) Ethyl Benzene	11.73	91	562321	49.885	ug/l	100
68) m/p-Xylenes	11.83	106	408621	99.677	ug/l	99
69) o-Xylene	12.16	106	198190	52.026	ug/l	99
70) Styrene	12.18	104	350446	53.206	ug/l	100
71) Bromoform	12.35	173	62748	59.695	ug/l #	99
73) Isopropylbenzene	12.46	105	518442	47.569	ug/l	100
74) N-amyl acetate	12.27	43	198255	58.103	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	120574	58.815	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	99627m	64.449	ug/l	
77) Bromobenzene	12.75	156	124806	51.809	ug/l	97
78) n-propylbenzene	12.80	91	633343	47.749	ug/l	100
79) 2-Chlorotoluene	12.89	91	378048	49.474	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	454303	49.727	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	36862	54.957	ug/l	98
82) 4-Chlorotoluene	12.99	91	397795	49.617	ug/l	100
83) tert-Butylbenzene	13.21	119	375774	49.186	ug/l	100
84) 1,2,4-Trimethylbenzene	13.25	105	462190	50.221	ug/l	99
85) sec-Butylbenzene	13.38	105	516253	47.358	ug/l	100
86) p-Isopropyltoluene	13.50	119	470195	47.539	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	236345	50.036	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	233285	49.649	ug/l	99
89) n-Butylbenzene	13.82	91	452946	45.889	ug/l	99
90) Hexachloroethane	14.09	117	87885	50.250	ug/l	97
91) 1,2-Dichlorobenzene	13.87	146	217128	51.973	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	21444	61.341	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	148618	50.477	ug/l	100
94) Hexachlorobutadiene	15.24	225	83563	45.511	ug/l	97
95) Naphthalene	15.36	128	319696	55.207	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	140060	54.269	ug/l	100

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

