

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW071119\
 Data File : VW011217.D
 Acq On : 11 Jul 2019 04:31
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 7/11/2019 2:50:31 PM

Quant Time: Jul 11 09:12:52 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	181388	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	320523	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	296948	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	146007	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	127457	55.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.84%	
35) Dibromofluoromethane	7.88	113	97506	51.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.08%	
50) Toluene-d8	10.32	98	377696	48.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.82%	
62) 4-Bromofluorobenzene	12.62	95	146493	51.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.50%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	58449	43.206	ug/l	97
3) Chloromethane	2.20	50	88621	50.839	ug/l	99
4) Vinyl Chloride	2.35	62	110070	48.243	ug/l	96
5) Bromomethane	2.77	94	60184	52.495	ug/l	94
6) Chloroethane	2.91	64	64036	52.109	ug/l	96
7) Trichlorofluoromethane	3.24	101	33071	40.802	ug/l	97
8) Diethyl Ether	3.67	74	66490	59.288	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.05	101	95054	48.960	ug/l	99
10) Methyl Iodide	4.27	142	152579	57.141	ug/l	99
11) Tert butyl alcohol	5.21	59	47189	279.647	ug/l	99
12) 1,1-Dichloroethene	4.03	96	104943	52.080	ug/l	92
13) Acrolein	3.89	56	35853	266.822	ug/l	99
14) Allyl chloride	4.66	41	169949	46.251	ug/l	98
15) Acrylonitrile	5.37	53	168744	295.442	ug/l	99
16) Acetone	4.14	43	135745	247.528	ug/l	98
17) Carbon Disulfide	4.38	76	302123	49.456	ug/l	99
18) Methyl Acetate	4.67	43	104057	67.210	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	195373	63.900	ug/l	98
20) Methylene Chloride	4.91	84	128599	59.443	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	115702	55.259	ug/l	95
22) Diisopropyl ether	6.31	45	471060	59.604	ug/l	100
23) Vinyl Acetate	6.25	43	1481201	302.839	ug/l	100
24) 1,1-Dichloroethane	6.21	63	236427	56.969	ug/l	99
25) 2-Butanone	7.17	43	259736	301.721	ug/l	100
26) 2,2-Dichloropropane	7.16	77	92302	42.787	ug/l	96
27) cis-1,2-Dichloroethene	7.16	96	131968	58.428	ug/l	99
28) Bromochloromethane	7.51	49	106192	56.275	ug/l #	99
29) Tetrahydrofuran	7.53	42	176350	312.419	ug/l	100
30) Chloroform	7.67	83	222182	57.809	ug/l	99
31) Cyclohexane	7.95	56	206829	46.846	ug/l	97
32) 1,1,1-Trichloroethane	7.87	97	155840	53.303	ug/l	99
36) 1,1-Dichloropropene	8.08	75	165865	48.594	ug/l	100
37) Ethyl Acetate	7.25	43	116866	56.986	ug/l	99
38) Carbon Tetrachloride	8.06	117	138747	47.951	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	193343	46.735	ug/l	99
40) Benzene	8.32	78	502604	53.282	ug/l	99
41) Methacrylonitrile	7.48	41	70210	59.860	ug/l	97
42) 1,2-Dichloroethane	8.40	62	174216	56.933	ug/l	99
43) Isopropyl Acetate	8.42	43	226537	58.509	ug/l	100
44) Trichloroethene	9.09	130	117781	51.887	ug/l	98
45) 1,2-Dichloropropane	9.37	63	142013	55.595	ug/l	99
46) Dibromomethane	9.46	93	68536	57.117	ug/l	98
47) Bromodichloromethane	9.64	83	169215	55.115	ug/l	100
48) Methyl methacrylate	9.43	41	111304	59.753	ug/l	97
49) 1,4-Dioxane	9.47	88	23849	1190.722	ug/l #	75
51) 4-Methyl-2-Pentanone	10.21	43	606143	299.692	ug/l	100
52) Toluene	10.38	92	307161	53.679	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	174040	53.255	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	204267	53.102	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	97430	57.234	ug/l	98
56) Ethyl methacrylate	10.65	69	152800	58.957	ug/l	98
57) 1,3-Dichloropropane	10.93	76	185906	57.752	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.92	63	331845	276.189	ug/l	100
59) 2-Hexanone	10.97	43	409882	292.222	ug/l	100
60) Dibromochloromethane	11.13	129	107709	57.701	ug/l	98
61) 1,2-Dibromoethane	11.23	107	94279	58.469	ug/l	99
64) Tetrachloroethene	10.86	164	111472	55.632	ug/l	98
65) Chlorobenzene	11.66	112	316062	52.352	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	114301	53.770	ug/l	99
67) Ethyl Benzene	11.73	91	592512	51.266	ug/l	99
68) m/p-Xylenes	11.84	106	429384	102.674	ug/l	99
69) o-Xylene	12.16	106	207950	52.758	ug/l	100
70) Styrene	12.18	104	369181	54.271	ug/l	99
71) Bromoform	12.35	173	62115	54.959	ug/l #	98
73) Isopropylbenzene	12.46	105	549692	50.363	ug/l	100
74) N-amyl acetate	12.27	43	210855	55.470	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	123472	55.187	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	84606m	50.143	ug/l	
77) Bromobenzene	12.74	156	129932	53.046	ug/l	99
78) n-propylbenzene	12.80	91	670288	49.853	ug/l	100
79) 2-Chlorotoluene	12.89	91	396925	51.302	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	476415	51.379	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	33850	45.376	ug/l	96
82) 4-Chlorotoluene	12.99	91	415823	51.600	ug/l	100
83) tert-Butylbenzene	13.21	119	388090	50.185	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	486408	52.242	ug/l	100
85) sec-Butylbenzene	13.38	105	554883	49.727	ug/l	100
86) p-Isopropyltoluene	13.50	119	504148	50.373	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	252002	53.473	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	251371	52.970	ug/l	99
89) n-Butylbenzene	13.82	91	496615	49.741	ug/l	100
90) Hexachloroethane	14.09	117	91279	49.910	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	233434	54.599	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	21754	54.817	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	169555	57.578	ug/l	98
94) Hexachlorobutadiene	15.24	225	91357	50.532	ug/l	99
95) Naphthalene	15.37	128	354043	62.740	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	154832	59.575	ug/l	99

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

