

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW071819\
 Data File : VW011367.D
 Acq On : 19 Jul 2019 07:25
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 7/19/2019 9:51:30 AM

Quant Time: Jul 19 08:56:34 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	181031	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	306774	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	276289	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	136582	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.30	65	110202	48.45	ug/l	0.00
Spiked Amount			Recovery	=	96.90%	
35) Dibromofluoromethane	7.88	113	86602	47.36	ug/l	0.00
Spiked Amount			Recovery	=	94.72%	
50) Toluene-d8	10.32	98	343916	46.53	ug/l	0.00
Spiked Amount			Recovery	=	93.06%	
62) 4-Bromofluorobenzene	12.62	95	124892	46.10	ug/l	0.00
Spiked Amount			Recovery	=	92.20%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.00	85	54819	40.603	ug/l	97
3) Chloromethane	2.21	50	81235	46.694	ug/l	100
4) Vinyl Chloride	2.35	62	95660	42.010	ug/l	97
5) Bromomethane	2.75	94	48348	42.255	ug/l	97
6) Chloroethane	2.90	64	55255	45.052	ug/l	97
7) Trichlorofluoromethane	3.24	101	31971	39.523	ug/l	97
8) Diethyl Ether	3.67	74	55250	49.363	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.05	101	84561	43.642	ug/l	99
10) Methyl Iodide	4.26	142	126399	47.430	ug/l	99
11) Tert butyl alcohol	5.17	59	43408	257.747	ug/l	97
12) 1,1-Dichloroethene	4.03	96	90601	45.051	ug/l	93
13) Acrolein	3.89	56	16802	125.289	ug/l	97
14) Allyl chloride	4.65	41	166212	45.323	ug/l	98
15) Acrylonitrile	5.36	53	147352	258.497	ug/l	99
16) Acetone	4.11	43	124313	227.129	ug/l	100
17) Carbon Disulfide	4.38	76	260090	42.659	ug/l	99
18) Methyl Acetate	4.66	43	90407	58.320	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	152412	49.947	ug/l	99
20) Methylene Chloride	4.91	84	108941	50.455	ug/l	95
21) trans-1,2-Dichloroethene	5.41	96	100825	48.249	ug/l	97
22) Diisopropyl ether	6.31	45	395647	50.160	ug/l	97
23) Vinyl Acetate	6.25	43	1167516	239.175	ug/l	100
24) 1,1-Dichloroethane	6.21	63	204049	49.265	ug/l	100
25) 2-Butanone	7.16	43	222606	259.099	ug/l	97
26) 2,2-Dichloropropane	7.16	77	80349	37.319	ug/l	99
27) cis-1,2-Dichloroethene	7.16	96	112581	49.943	ug/l	99
28) Bromochloromethane	7.51	49	83040	44.092	ug/l	99
29) Tetrahydrofuran	7.52	42	146581	260.193	ug/l	100
30) Chloroform	7.67	83	189929	49.515	ug/l	98
31) Cyclohexane	7.95	56	186529	42.332	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	136410	46.750	ug/l	99
36) 1,1-Dichloropropene	8.08	75	147294	45.087	ug/l	100
37) Ethyl Acetate	7.24	43	98103	49.981	ug/l	99
38) Carbon Tetrachloride	8.06	117	122412	44.202	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	171145	43.223	ug/l	99
40) Benzene	8.32	78	431510	47.795	ug/l	99
41) Methacrylonitrile	7.48	41	61412	54.705	ug/l	91
42) 1,2-Dichloroethane	8.40	62	141699	48.382	ug/l	99
43) Isopropyl Acetate	8.42	43	183140	49.420	ug/l	99
44) Trichloroethene	9.09	130	102280	47.078	ug/l	97
45) 1,2-Dichloropropane	9.37	63	119228	48.767	ug/l	98
46) Dibromomethane	9.45	93	56916	49.558	ug/l	98
47) Bromodichloromethane	9.64	83	140570	47.837	ug/l	99
48) Methyl methacrylate	9.43	41	88683	49.743	ug/l	97
49) 1,4-Dioxane	9.44	88	19585	1021.656	ug/l	95
51) 4-Methyl-2-Pentanone	10.21	43	497133	256.811	ug/l	99
52) Toluene	10.38	92	261123	47.679	ug/l	98
53) t-1,3-Dichloropropene	10.60	75	134619	43.038	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	162506	44.139	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	80643	49.496	ug/l	98
56) Ethyl methacrylate	10.65	69	122093	49.220	ug/l	97
57) 1,3-Dichloropropane	10.93	76	152177	49.393	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	241835	210.296	ug/l	99
59) 2-Hexanone	10.97	43	335179	249.673	ug/l	100
60) Dibromochloromethane	11.13	129	87068	48.734	ug/l	99
61) 1,2-Dibromoethane	11.23	107	75645	49.015	ug/l	99
64) Tetrachloroethene	10.86	164	102179	54.807	ug/l	98
65) Chlorobenzene	11.66	112	266704	47.479	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	93701	47.375	ug/l	100
67) Ethyl Benzene	11.73	91	507416	47.186	ug/l	99
68) m/p-Xylenes	11.84	106	364375	93.644	ug/l	100
69) o-Xylene	12.16	106	173230	47.235	ug/l	98
70) Styrene	12.18	104	308629	48.762	ug/l	99
71) Bromoform	12.35	173	49584	47.152	ug/l #	98
73) Isopropylbenzene	12.46	105	468991	45.934	ug/l	100
74) N-amyl acetate	12.27	43	163972	46.113	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	99749	47.661	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	83104m	52.651	ug/l	
77) Bromobenzene	12.74	156	108539	47.370	ug/l	97
78) n-propylbenzene	12.80	91	576013	45.798	ug/l	100
79) 2-Chlorotoluene	12.89	91	334256	46.183	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	403181	46.482	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	25610	36.699	ug/l	98
82) 4-Chlorotoluene	12.99	91	354279	46.996	ug/l	100
83) tert-Butylbenzene	13.21	119	332746	45.997	ug/l	97
84) 1,2,4-Trimethylbenzene	13.25	105	409344	46.999	ug/l	99
85) sec-Butylbenzene	13.38	105	472559	45.272	ug/l	100
86) p-Isopropyltoluene	13.50	119	429030	45.825	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	208158	47.218	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	208062	46.869	ug/l	99
89) n-Butylbenzene	13.82	91	423802	45.377	ug/l	100
90) Hexachloroethane	14.10	117	76053	44.454	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	186527	46.638	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	17560	47.302	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	130586	47.405	ug/l	99
94) Hexachlorobutadiene	15.24	225	76782	45.401	ug/l	100
95) Naphthalene	15.37	128	264596	50.124	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	117416	48.296	ug/l	99

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

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