

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\WV102319\
 Data File : VW013708.D
 Acq On : 24 Oct 2019 10:29
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 53 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 10/24/2019 1:25:31 PM

Quant Time: Oct 24 11:02:03 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W102319S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 23 14:11:46 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	240153	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	351531	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	310697	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	159648	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	113258	62.87	ug/l	0.00
Spiked Amount			Recovery	=	125.74%	
35) Dibromofluoromethane	7.88	113	108899	55.75	ug/l	0.00
Spiked Amount			Recovery	=	111.50%	
50) Toluene-d8	10.32	98	429068	53.91	ug/l	0.00
Spiked Amount			Recovery	=	107.82%	
62) 4-Bromofluorobenzene	12.62	95	148931	55.26	ug/l	0.00
Spiked Amount			Recovery	=	110.52%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	52317	41.351	ug/l	99
3) Chloromethane	2.21	50	60155	44.241	ug/l	100
4) Vinyl Chloride	2.37	62	94777	46.155	ug/l	95
5) Bromomethane	2.78	94	66013	48.881	ug/l	97
6) Chloroethane	2.92	64	60398	48.609	ug/l	97
7) Trichlorofluoromethane	3.26	101	52941	41.276	ug/l	99
8) Diethyl Ether	3.68	74	60339	58.229	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.07	101	105864	50.772	ug/l	98
10) Methyl Iodide	4.28	142	172872	50.878	ug/l	99
11) Tert butyl alcohol	5.16	59	41555	386.386	ug/l	97
12) 1,1-Dichloroethene	4.04	96	107224	49.783	ug/l	94
13) Acrolein	3.90	56	30435	247.010	ug/l	96
14) Allyl chloride	4.67	41	168708	50.941	ug/l	98
15) Acrylonitrile	5.36	53	159650	378.895	ug/l	98
16) Acetone	4.12	43	123505	323.326	ug/l	96
17) Carbon Disulfide	4.39	76	300167	48.527	ug/l	99
18) Methyl Acetate	4.67	43	94829	90.563	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	164148	63.510	ug/l	97
20) Methylene Chloride	4.92	84	120258	57.979	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	119299	51.463	ug/l	97
22) Diisopropyl ether	6.31	45	335804	55.586	ug/l	96
23) Vinyl Acetate	6.25	43	999760	285.214	ug/l	100
24) 1,1-Dichloroethane	6.21	63	202683	52.976	ug/l	99
25) 2-Butanone	7.17	43	204268	371.955	ug/l	95
26) 2,2-Dichloropropane	7.16	77	94284	42.616	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	130412	52.965	ug/l	99
28) Bromochloromethane	7.51	49	86715	63.249	ug/l #	97
29) Tetrahydrofuran	7.53	42	135345	398.079	ug/l	99
30) Chloroform	7.67	83	201276	53.217	ug/l	96
31) Cyclohexane	7.96	56	189849	47.416	ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	156405	52.697	ug/l	99
36) 1,1-Dichloropropene	8.08	75	162967	49.779	ug/l	98
37) Ethyl Acetate	7.25	43	87344	69.696	ug/l	98
38) Carbon Tetrachloride	8.07	117	147755	50.119	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	205808	48.679	ug/l	97
40) Benzene	8.32	78	471449	50.885	ug/l	99
41) Methacrylonitrile	7.48	41	47047	60.201	ug/l	95
42) 1,2-Dichloroethane	8.40	62	136273	58.368	ug/l	100
43) Isopropyl Acetate	8.42	43	158335	66.005	ug/l	98
44) Trichloroethene	9.09	130	136497	51.432	ug/l	99
45) 1,2-Dichloropropane	9.37	63	116913	52.830	ug/l	97
46) Dibromomethane	9.46	93	64150	59.725	ug/l	99
47) Bromodichloromethane	9.65	83	152926	55.026	ug/l	97
48) Methyl methacrylate	9.43	41	82581	69.420	ug/l	99
49) 1,4-Dioxane	9.45	88	23393	1473.859	ug/l #	98
51) 4-Methyl-2-Pentanone	10.21	43	430569	361.208	ug/l	99
52) Toluene	10.38	92	306518	51.289	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	154095	54.771	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	179001	51.569	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	96438	60.245	ug/l	96
56) Ethyl methacrylate	10.65	69	134615	67.215	ug/l	99
57) 1,3-Dichloropropane	10.93	76	161150	58.664	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	316126	342.965	ug/l	98
59) 2-Hexanone	10.97	43	298469	363.200	ug/l	98
60) Dibromochloromethane	11.13	129	110627	58.206	ug/l	100
61) 1,2-Dibromoethane	11.23	107	92706	61.215	ug/l	99
64) Tetrachloroethene	10.86	164	140432	59.158	ug/l	99
65) Chlorobenzene	11.66	112	322691	50.542	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	117922	52.922	ug/l	99
67) Ethyl Benzene	11.73	91	573716	49.834	ug/l	97
68) m/p-Xylenes	11.83	106	445698	100.204	ug/l	97
69) o-Xylene	12.16	106	207555	50.767	ug/l	97
70) Styrene	12.18	104	362178	51.560	ug/l	99
71) Bromoform	12.35	173	72550	62.044	ug/l #	98
73) Isopropylbenzene	12.46	105	563990	49.193	ug/l	100
74) N-amyl acetate	12.27	43	135629	61.155	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	114266	63.158	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	90154m	78.634	ug/l	
77) Bromobenzene	12.74	156	140810	51.413	ug/l	97
78) n-propylbenzene	12.80	91	654270	49.305	ug/l	100
79) 2-Chlorotoluene	12.89	91	371100	49.764	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	481207	49.721	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	35054	57.782	ug/l	97
82) 4-Chlorotoluene	12.99	91	386858	49.414	ug/l	99
83) tert-Butylbenzene	13.21	119	428836	49.918	ug/l	100
84) 1,2,4-Trimethylbenzene	13.25	105	476609	49.922	ug/l	99
85) sec-Butylbenzene	13.38	105	578743	49.265	ug/l	99
86) p-Isopropyltoluene	13.50	119	537960	49.160	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	263958	49.743	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	261453	49.595	ug/l	99
89) n-Butylbenzene	13.82	91	467785	47.359	ug/l	100
90) Hexachloroethane	14.09	117	95708	50.317	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	240090	52.181	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	18786	68.667	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	161132	48.121	ug/l	97
94) Hexachlorobutadiene	15.24	225	108867	48.160	ug/l	99
95) Naphthalene	15.36	128	333019	63.432	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	152403	52.820	ug/l	99

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

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