

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\WV102319\
 Data File : VW013686.D
 Acq On : 24 Oct 2019 00:28
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 10/24/2019 1:25:37 PM

Quant Time: Oct 24 08:33:51 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	286233	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	425483	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	375022	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	192791	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	122093	56.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.72%	
35) Dibromofluoromethane	7.88	113	125496	53.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.16%	
50) Toluene-d8	10.32	98	506514	52.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.16%	
62) 4-Bromofluorobenzene	12.62	95	176655	54.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.32%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.01	85	66073	43.816	ug/l	99
3) Chloromethane	2.21	50	71195	43.931	ug/l	99
4) Vinyl Chloride	2.37	62	115328	47.122	ug/l	100
5) Bromomethane	2.78	94	81081	50.373	ug/l	96
6) Chloroethane	2.92	64	74011	49.976	ug/l	98
7) Trichlorofluoromethane	3.26	101	61000	39.903	ug/l	98
8) Diethyl Ether	3.68	74	68285	55.289	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	120700	48.568	ug/l	98
10) Methyl Iodide	4.28	142	209915	51.835	ug/l	99
11) Tert butyl alcohol	5.17	59	38509	300.420	ug/l	98
12) 1,1-Dichloroethene	4.05	96	127032	49.485	ug/l	99
13) Acrolein	3.90	56	38751	263.871	ug/l	97
14) Allyl chloride	4.67	41	201143	50.957	ug/l	99
15) Acrylonitrile	5.37	53	149872	298.428	ug/l	98
16) Acetone	4.12	43	117331	257.713	ug/l	95
17) Carbon Disulfide	4.39	76	359823	48.807	ug/l	98
18) Methyl Acetate	4.67	43	75413	60.426	ug/l	100
19) Methyl tert-butyl Ether	5.42	73	176467	57.285	ug/l	97
20) Methylene Chloride	4.92	84	143578	58.087	ug/l	94
21) trans-1,2-Dichloroethene	5.42	96	143351	51.883	ug/l	99
22) Diisopropyl ether	6.31	45	400493	55.622	ug/l	95
23) Vinyl Acetate	6.25	43	1184316	283.472	ug/l	99
24) 1,1-Dichloroethane	6.21	63	238343	52.267	ug/l	98
25) 2-Butanone	7.17	43	189268	289.159	ug/l	97
26) 2,2-Dichloropropane	7.17	77	123319	46.767	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	156673	53.387	ug/l	99
28) Bromochloromethane	7.51	49	93485	57.338	ug/l #	99
29) Tetrahydrofuran	7.53	42	125589	309.918	ug/l	99
30) Chloroform	7.67	83	236696	52.507	ug/l	98
31) Cyclohexane	7.95	56	212911	44.615	ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	180946	51.151	ug/l	99
36) 1,1-Dichloropropene	8.08	75	186368	47.032	ug/l	99
37) Ethyl Acetate	7.25	43	85424	56.316	ug/l	99
38) Carbon Tetrachloride	8.07	117	172454	48.329	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	238919	46.689	ug/l	99
40) Benzene	8.32	78	562912	50.197	ug/l	99
41) Methacrylonitrile	7.48	41	50584	53.477	ug/l	97
42) 1,2-Dichloroethane	8.40	62	148319	52.486	ug/l	100
43) Isopropyl Acetate	8.42	43	162376	55.924	ug/l	98
44) Trichloroethene	9.09	130	159084	49.524	ug/l	95
45) 1,2-Dichloropropane	9.37	63	137656	51.392	ug/l	98
46) Dibromomethane	9.46	93	71136	54.718	ug/l	96
47) Bromodichloromethane	9.64	83	178894	53.182	ug/l	98
48) Methyl methacrylate	9.43	41	76577	53.184	ug/l	94
49) 1,4-Dioxane	9.45	88	21681	1128.576	ug/l #	99
51) 4-Methyl-2-Pentanone	10.21	43	414011	286.951	ug/l	99
52) Toluene	10.38	92	363574	50.262	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	180267	52.937	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	219514	52.249	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	106006	54.712	ug/l	96
56) Ethyl methacrylate	10.65	69	138625	57.186	ug/l	100
57) 1,3-Dichloropropane	10.93	76	180579	54.311	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.92	63	310043	277.903	ug/l	98
59) 2-Hexanone	10.97	43	279827	281.331	ug/l	97
60) Dibromochloromethane	11.13	129	124615	54.170	ug/l	100
61) 1,2-Dibromoethane	11.23	107	99467	54.264	ug/l	99
64) Tetrachloroethene	10.86	164	141537	49.397	ug/l	96
65) Chlorobenzene	11.66	112	388908	50.466	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	141279	52.529	ug/l	99
67) Ethyl Benzene	11.73	91	683849	49.212	ug/l	98
68) m/p-Xylenes	11.83	106	532680	99.218	ug/l	99
69) o-Xylene	12.16	106	247763	50.207	ug/l	100
70) Styrene	12.18	104	440216	51.920	ug/l	100
71) Bromoform	12.35	173	76372	54.110	ug/l #	98
73) Isopropylbenzene	12.46	105	679399	49.072	ug/l	100
74) N-amyl acetate	12.27	43	150481	56.187	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	115886	53.042	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	88423m	63.866	ug/l	
77) Bromobenzene	12.74	156	168247	50.870	ug/l	97
78) n-propylbenzene	12.80	91	794475	49.578	ug/l	100
79) 2-Chlorotoluene	12.89	91	454317	50.450	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	578937	49.535	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.51	75	38816	52.984	ug/l	98
82) 4-Chlorotoluene	12.99	91	471634	49.886	ug/l	98
83) tert-Butylbenzene	13.21	119	515674	49.707	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	582358	50.512	ug/l	99
85) sec-Butylbenzene	13.38	105	692490	48.814	ug/l	99
86) p-Isopropyltoluene	13.50	119	649859	49.177	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	323167	50.431	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	316175	49.665	ug/l	100
89) n-Butylbenzene	13.82	91	579663	48.596	ug/l	99
90) Hexachloroethane	14.09	117	114408	49.808	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	290186	52.227	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.48	75	18567	56.200	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	209834	51.892	ug/l	100
94) Hexachlorobutadiene	15.23	225	132456	48.522	ug/l	98
95) Naphthalene	15.36	128	359741	56.742	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	186800	53.612	ug/l	99

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

