

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW090119\
 Data File : VW012462.D
 Acq On : 01 Sep 2019 21:13
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 9/3/2019 10:44:40 AM

Quant Time: Sep 02 08:13:56 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W082319S.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 26 07:18:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	167290	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	261340	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	231515	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	115894	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.30	65	112032	56.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.68%	
35) Dibromofluoromethane	7.88	113	83725	53.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.34%	
50) Toluene-d8	10.32	98	330217	52.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.42%	
62) 4-Bromofluorobenzene	12.61	95	118839	53.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.60%	

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.01	85	50362	48.892	ug/l	96
3) Chloromethane	2.21	50	84601	53.012	ug/l	99
4) Vinyl Chloride	2.35	62	104133	53.312	ug/l	98
5) Bromomethane	2.74	94	54003	54.591	ug/l	100
6) Chloroethane	2.90	64	61774	56.062	ug/l	99
7) Trichlorofluoromethane	3.24	101	58589	59.736	ug/l	97
8) Diethyl Ether	3.68	74	53482	57.448	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	92919	55.735	ug/l	97
10) Methyl Iodide	4.26	142	125029	55.428	ug/l	98
11) Tert butyl alcohol	5.15	59	42387	354.178	ug/l	100
12) 1,1-Dichloroethene	4.04	96	87668	52.246	ug/l	95
13) Acrolein	3.88	56	31007	275.240	ug/l	99
14) Allyl chloride	4.66	41	195315	54.446	ug/l	99
15) Acrylonitrile	5.36	53	152473	330.426	ug/l	99
16) Acetone	4.11	43	148419	291.965	ug/l	96
17) Carbon Disulfide	4.38	76	250182	49.334	ug/l	98
18) Methyl Acetate	4.66	43	87935	69.841	ug/l	100
19) Methyl tert-butyl Ether	5.42	73	172776	63.671	ug/l	99
20) Methylene Chloride	4.91	84	100913	52.511	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	96063	53.386	ug/l	97
22) Diisopropyl ether	6.31	45	387036	58.206	ug/l	98
23) Vinyl Acetate	6.25	43	1233434	301.414	ug/l	99
24) 1,1-Dichloroethane	6.21	63	201504	55.656	ug/l	99
25) 2-Butanone	7.16	43	216628	313.598	ug/l	100
26) 2,2-Dichloropropane	7.16	77	113165	55.223	ug/l	98
27) cis-1,2-Dichloroethene	7.16	96	107212	55.767	ug/l	99
28) Bromochloromethane	7.51	49	81388	51.577	ug/l	97
29) Tetrahydrofuran	7.52	42	140919	340.022	ug/l	99
30) Chloroform	7.67	83	193819	58.514	ug/l	99
31) Cyclohexane	7.95	56	178196	49.748	ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	157466	60.094	ug/l	99
36) 1,1-Dichloropropene	8.08	75	152226	56.367	ug/l	99
37) Ethyl Acetate	7.25	43	94081	63.572	ug/l	99
38) Carbon Tetrachloride	8.07	117	140385	60.058	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	167318	55.148	ug/l	99
40) Benzene	8.32	78	414083	56.152	ug/l	100
41) Methacrylonitrile	7.48	41	52890	60.807	ug/l	94
42) 1,2-Dichloroethane	8.40	62	146936	63.576	ug/l	100
43) Isopropyl Acetate	8.42	43	173098	63.145	ug/l	99
44) Trichloroethene	9.09	130	103003	57.458	ug/l	94
45) 1,2-Dichloropropane	9.37	63	113161	57.018	ug/l	99
46) Dibromomethane	9.46	93	54788	62.045	ug/l	99
47) Bromodichloromethane	9.64	83	143323	60.985	ug/l	100
48) Methyl methacrylate	9.43	41	85694	65.681	ug/l	98
49) 1,4-Dioxane	9.44	88	19817	1465.954	ug/l	98
51) 4-Methyl-2-Pentanone	10.21	43	469268	336.564	ug/l	99
52) Toluene	10.38	92	253704	57.269	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	145380	60.730	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	168980	58.461	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	76874	61.530	ug/l	98
56) Ethyl methacrylate	10.65	69	117162	64.433	ug/l	99
57) 1,3-Dichloropropane	10.93	76	145430	61.597	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	292121	313.026	ug/l	99
59) 2-Hexanone	10.97	43	322308	326.702	ug/l	99
60) Dibromochloromethane	11.13	129	89078	64.012	ug/l	99
61) 1,2-Dibromoethane	11.23	107	73502	63.149	ug/l	99
64) Tetrachloroethene	10.86	164	87182	58.083	ug/l	95
65) Chlorobenzene	11.66	112	254902	55.915	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	94054	59.140	ug/l	98
67) Ethyl Benzene	11.73	91	498545	56.771	ug/l	100
68) m/p-Xylenes	11.84	106	361990	114.436	ug/l	99
69) o-Xylene	12.16	106	168611	57.592	ug/l	100
70) Styrene	12.18	104	295524	58.317	ug/l	99
71) Bromoform	12.35	173	51751	65.312	ug/l #	99
73) Isopropylbenzene	12.46	105	474597	54.651	ug/l	100
74) N-amyl acetate	12.27	43	159225	60.687	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	93504	58.732	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	81143m	71.889	ug/l	
77) Bromobenzene	12.74	156	106176	56.515	ug/l	99
78) n-propylbenzene	12.80	91	577230	54.448	ug/l	99
79) 2-Chlorotoluene	12.89	91	329533	54.749	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	406192	55.977	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	30239	58.739	ug/l	97
82) 4-Chlorotoluene	12.99	91	348316	55.268	ug/l	100
83) tert-Butylbenzene	13.21	119	351660	57.210	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	405304	55.603	ug/l	100
85) sec-Butylbenzene	13.38	105	489782	55.617	ug/l	100
86) p-Isopropyltoluene	13.50	119	444001	56.456	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	203242	55.309	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	200823	55.040	ug/l	100
89) n-Butylbenzene	13.82	91	432181	55.260	ug/l	99
90) Hexachloroethane	14.09	117	78375	56.801	ug/l	95
91) 1,2-Dichlorobenzene	13.87	146	184314	57.175	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.48	75	17805	66.339	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	128866	57.846	ug/l	100
94) Hexachlorobutadiene	15.24	225	89985	61.174	ug/l	99
95) Naphthalene	15.36	128	247630	56.073	ug/l	99
96) 1,2,3-Trichlorobenzene	15.55	180	117036	60.214	ug/l	99

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

