

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW082219\
 Data File : VW012122.D
 Acq On : 22 Aug 2019 20:09
 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
 8/23/2019 10:49:02 AM

Quant Time: Aug 23 08:09:04 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W072719S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 27 00:23:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	204082	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	330170	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	292477	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	143735	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	133918	57.15	ug/l	0.00
Spiked Amount			Recovery	=	114.30%	
35) Dibromofluoromethane	7.88	113	107146	57.84	ug/l	0.00
Spiked Amount			Recovery	=	115.68%	
50) Toluene-d8	10.32	98	426461	56.23	ug/l	0.00
Spiked Amount			Recovery	=	112.46%	
62) 4-Bromofluorobenzene	12.62	95	152977	56.58	ug/l	0.00
Spiked Amount			Recovery	=	113.16%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	55652	48.930	ug/l	100
3) Chloromethane	2.21	50	105262	53.372	ug/l	98
4) Vinyl Chloride	2.36	62	133372	56.170	ug/l	98
5) Bromomethane	2.74	94	66468	50.574	ug/l	99
6) Chloroethane	2.91	64	79203	58.396	ug/l	97
7) Trichlorofluoromethane	3.24	101	64511	60.792	ug/l	96
8) Diethyl Ether	3.68	74	70580	58.662	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	120914	60.066	ug/l	98
10) Methyl Iodide	4.28	142	163169	57.358	ug/l	99
11) Tert butyl alcohol	5.17	59	54148	317.939	ug/l	99
12) 1,1-Dichloroethene	4.04	96	120206	56.556	ug/l	99
13) Acrolein	3.89	56	36663	218.040	ug/l	100
14) Allyl chloride	4.67	41	259828	57.477	ug/l	99
15) Acrylonitrile	5.36	53	195588	325.651	ug/l	99
16) Acetone	4.12	43	185944	249.442	ug/l	100
17) Carbon Disulfide	4.38	76	336134	50.529	ug/l	100
18) Methyl Acetate	4.67	43	107115	63.964	ug/l	100
19) Methyl tert-butyl Ether	5.42	73	210512	62.415	ug/l	94
20) Methylene Chloride	4.92	84	136385	53.050	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	129125	56.351	ug/l	98
22) Diisopropyl ether	6.31	45	509280	59.754	ug/l	100
23) Vinyl Acetate	6.25	43	1640011	306.233	ug/l	100
24) 1,1-Dichloroethane	6.21	63	266100	58.296	ug/l	99
25) 2-Butanone	7.17	43	281932	289.034	ug/l	99
26) 2,2-Dichloropropane	7.16	77	140923	50.201	ug/l	98
27) cis-1,2-Dichloroethene	7.16	96	143820	57.028	ug/l	99
28) Bromochloromethane	7.51	49	118741	58.607	ug/l #	98
29) Tetrahydrofuran	7.52	42	184659	331.189	ug/l	99
30) Chloroform	7.68	83	243917	57.921	ug/l	98
31) Cyclohexane	7.95	56	239274	54.608	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	190741	59.475	ug/l	99
36) 1,1-Dichloropropene	8.08	75	198668	57.867	ug/l	99
37) Ethyl Acetate	7.25	43	124727	63.147	ug/l	98
38) Carbon Tetrachloride	8.07	117	170768	58.104	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	220903	58.435	ug/l	98
40) Benzene	8.32	78	555272	57.742	ug/l	99
41) Methacrylonitrile	7.48	41	75765	64.169	ug/l	98
42) 1,2-Dichloroethane	8.40	62	180145	59.833	ug/l	100
43) Isopropyl Acetate	8.42	43	232284	63.945	ug/l	98
44) Trichloroethene	9.09	130	133153	57.610	ug/l	98
45) 1,2-Dichloropropane	9.37	63	151542	58.896	ug/l	96
46) Dibromomethane	9.46	93	69406	59.100	ug/l	99
47) Bromodichloromethane	9.65	83	180889	58.719	ug/l	97
48) Methyl methacrylate	9.43	41	113806	65.221	ug/l	98
49) 1,4-Dioxane	9.44	88	25027	1471.795	ug/l	99
51) 4-Methyl-2-Pentanone	10.21	43	623316	329.892	ug/l	100
52) Toluene	10.39	92	340608	58.651	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	190588	59.226	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	222083	58.043	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	100568	60.355	ug/l	98
56) Ethyl methacrylate	10.65	69	155690	63.852	ug/l	99
57) 1,3-Dichloropropane	10.93	76	189726	60.184	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.92	63	414914	374.780	ug/l	100
59) 2-Hexanone	10.97	43	431667	323.569	ug/l	99
60) Dibromochloromethane	11.13	129	111933	60.517	ug/l	99
61) 1,2-Dibromoethane	11.24	107	95741	60.716	ug/l	100
64) Tetrachloroethene	10.86	164	111200	58.393	ug/l	99
65) Chlorobenzene	11.66	112	342139	58.185	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	121221	59.184	ug/l	100
67) Ethyl Benzene	11.73	91	660655	58.992	ug/l	99
68) m/p-Xylenes	11.84	106	474750	116.568	ug/l	99
69) o-Xylene	12.16	106	222421	58.769	ug/l	99
70) Styrene	12.18	104	391136	59.773	ug/l	100
71) Bromoform	12.35	173	64668	61.925	ug/l #	98
73) Isopropylbenzene	12.46	105	628319	58.596	ug/l	99
74) N-amyl acetate	12.27	43	217299	64.728	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	125746	62.344	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	89455m	58.818	ug/l	
77) Bromobenzene	12.74	156	137256	57.911	ug/l	99
78) n-propylbenzene	12.80	91	768636	58.900	ug/l	99
79) 2-Chlorotoluene	12.89	91	436134	58.011	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	529161	58.871	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	39800	60.311	ug/l	97
82) 4-Chlorotoluene	12.99	91	445995	56.541	ug/l	99
83) tert-Butylbenzene	13.21	119	450466	59.929	ug/l	100
84) 1,2,4-Trimethylbenzene	13.25	105	532608	58.821	ug/l	100
85) sec-Butylbenzene	13.38	105	644926	60.132	ug/l	100
86) p-Isopropyltoluene	13.50	119	578540	59.452	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	267871	57.641	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	261159	56.492	ug/l	99
89) n-Butylbenzene	13.82	91	578223	59.542	ug/l	99
90) Hexachloroethane	14.10	117	100810	58.585	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	242980	59.115	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	22260	64.719	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	173139	59.769	ug/l	100
94) Hexachlorobutadiene	15.24	225	112048	62.025	ug/l	98
95) Naphthalene	15.37	128	336942	58.992	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	151742	59.759	ug/l	99

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

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