

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW031119\
 Data File : VW009077.D
 Acq On : 11 Mar 2019 10:38
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 3/12/2019 1:15:36 PM

Quant Time: Mar 12 08:30:40 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W030719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 08 05:22:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	307849	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	423012	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	413875	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	230578	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	136497	44.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.14%	
35) Dibromofluoromethane	7.88	113	121083	47.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.08%	
50) Toluene-d8	10.32	98	536911	51.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.66%	
62) 4-Bromofluorobenzene	12.62	95	201559	48.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.90%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.00	85	139763	45.048	ug/l	100
3) Chloromethane	2.21	50	182520	46.310	ug/l	100
4) Vinyl Chloride	2.35	62	184956	46.242	ug/l	100
5) Bromomethane	2.76	94	156773	46.433	ug/l	100
6) Chloroethane	2.92	64	128394	45.091	ug/l	97
7) Trichlorofluoromethane	3.26	101	244208	47.420	ug/l	95
8) Diethyl Ether	3.69	74	63479	40.312	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.06	101	148884	46.418	ug/l	99
10) Methyl Iodide	4.27	142	151384	43.924	ug/l	99
11) Tert butyl alcohol	5.18	59	43206	182.039	ug/l	99
12) 1,1-Dichloroethene	4.03	96	127368	46.035	ug/l	98
13) Acrolein	3.90	56	60653	232.231	ug/l	98
14) Allyl chloride	4.67	41	224198	45.939	ug/l	98
15) Acrylonitrile	5.37	53	145764	212.092	ug/l	99
16) Acetone	4.14	43	177432	253.865	ug/l	99
17) Carbon Disulfide	4.38	76	448172	48.144	ug/l	99
18) Methyl Acetate	4.68	43	65529	40.773	ug/l	97
19) Methyl tert-butyl Ether	5.43	73	313257	42.801	ug/l	100
20) Methylene Chloride	4.92	84	153566	46.306	ug/l	95
21) trans-1,2-Dichloroethene	5.42	96	147713	46.237	ug/l	97
22) Diisopropyl ether	6.31	45	445520	45.936	ug/l	97
23) Vinyl Acetate	6.26	43	1298568	215.160	ug/l	99
24) 1,1-Dichloroethane	6.21	63	262815	46.719	ug/l	98
25) 2-Butanone	7.17	43	213548	221.081	ug/l	97
26) 2,2-Dichloropropane	7.16	77	250954	49.078	ug/l	100
27) cis-1,2-Dichloroethene	7.16	96	157498	45.904	ug/l	98
28) Bromochloromethane	7.51	49	109418	46.762	ug/l	96
29) Tetrahydrofuran	7.53	42	120314	197.656	ug/l	99
30) Chloroform	7.67	83	271459	46.871	ug/l	97
31) Cyclohexane	7.95	56	256506	44.408	ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	253135	47.361	ug/l	100
36) 1,1-Dichloropropene	8.08	75	217353	49.141	ug/l	99
37) Ethyl Acetate	7.26	43	81495	39.226	ug/l	99
38) Carbon Tetrachloride	8.07	117	229463	50.234	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	268179	50.905	ug/l	97
40) Benzene	8.32	78	591096	50.062	ug/l	99
41) Methacrylonitrile	7.48	41	47779	41.414	ug/l	98
42) 1,2-Dichloroethane	8.40	62	175039	45.920	ug/l	100
43) Isopropyl Acetate	8.42	43	163523	42.260	ug/l	99
44) Trichloroethene	9.09	130	159007	48.049	ug/l	98
45) 1,2-Dichloropropane	9.37	63	143752	48.611	ug/l	100
46) Dibromomethane	9.46	93	75123	46.515	ug/l	99
47) Bromodichloromethane	9.64	83	197094	48.210	ug/l	99
48) Methyl methacrylate	9.43	41	80403	44.625	ug/l	92
49) 1,4-Dioxane	9.45	88	21737	939.899	ug/l #	92
51) 4-Methyl-2-Pentanone	10.21	43	425509	216.612	ug/l	100
52) Toluene	10.39	92	413749	51.670	ug/l	97
53) t-1,3-Dichloropropene	10.60	75	196201	48.523	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	224572	48.331	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	101974	46.585	ug/l	99
56) Ethyl methacrylate	10.65	69	128432	47.275	ug/l	98
57) 1,3-Dichloropropane	10.93	76	176105	45.414	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	325547	231.151	ug/l	99
59) 2-Hexanone	10.97	43	336062	243.324	ug/l	98
60) Dibromochloromethane	11.13	129	128852	47.565	ug/l	98
61) 1,2-Dibromoethane	11.24	107	97654	45.507	ug/l	100
64) Tetrachloroethene	10.86	164	150157	50.309	ug/l	98
65) Chlorobenzene	11.66	112	447158	49.637	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.73	131	148221	49.277	ug/l	99
67) Ethyl Benzene	11.73	91	830220	51.014	ug/l	99
68) m/p-Xylenes	11.84	106	660155	102.769	ug/l	99
69) o-Xylene	12.16	106	303825	50.833	ug/l	99
70) Styrene	12.18	104	492301	50.908	ug/l	99
71) Bromoform	12.35	173	76112	47.126	ug/l #	97
73) Isopropylbenzene	12.46	105	856665	51.881	ug/l	100
74) N-amyl acetate	12.27	43	176377	45.122	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	115315	44.273	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	84127m	46.179	ug/l	
77) Bromobenzene	12.75	156	191948	50.877	ug/l	94
78) n-propylbenzene	12.80	91	1069325	52.576	ug/l	100
79) 2-Chlorotoluene	12.90	91	583053	51.024	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	740438	52.022	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	38332	47.064	ug/l	97
82) 4-Chlorotoluene	12.99	91	618084	50.742	ug/l	99
83) tert-Butylbenzene	13.21	119	625889	52.140	ug/l	100
84) 1,2,4-Trimethylbenzene	13.26	105	755870	52.499	ug/l	99
85) sec-Butylbenzene	13.39	105	936315	52.645	ug/l	99
86) p-Isopropyltoluene	13.50	119	837536	52.641	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	403679	50.913	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	394763	50.380	ug/l	100
89) n-Butylbenzene	13.83	91	814968	53.881	ug/l	99
90) Hexachloroethane	14.10	117	145872	53.160	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	349374	49.943	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.49	75	21802	46.997	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	239722	50.742	ug/l	98
94) Hexachlorobutadiene	15.24	225	155110	52.417	ug/l	99
95) Naphthalene	15.37	128	373298	48.270	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	200845	48.347	ug/l	99

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

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