

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW013019\
 Data File : VW008455.D
 Acq On : 30 Jan 2019 10:09
 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
 2/1/2019 10:46:59 AM

Quant Time: Jan 31 01:37:53 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W012419S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 25 11:07:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	451505	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	682312	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	579966	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	289156	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	199777	45.04	ug/l	0.00
Spiked Amount			Recovery	=	90.08%	
35) Dibromofluoromethane	7.88	113	205326	51.46	ug/l	0.00
Spiked Amount			Recovery	=	102.92%	
50) Toluene-d8	10.32	98	818187	51.14	ug/l	0.00
Spiked Amount			Recovery	=	102.28%	
62) 4-Bromofluorobenzene	12.62	95	290212	47.19	ug/l	0.00
Spiked Amount			Recovery	=	94.38%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	128725	49.379	ug/l	100
3) Chloromethane	2.21	50	149994	40.698	ug/l	100
4) Vinyl Chloride	2.37	62	232570	49.572	ug/l	98
5) Bromomethane	2.78	94	162393	53.664	ug/l	93
6) Chloroethane	2.93	64	155213	54.096	ug/l	96
7) Trichlorofluoromethane	3.26	101	188174	46.481	ug/l	98
8) Diethyl Ether	3.68	74	103969	46.175	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	4.06	101	225026	55.104	ug/l	97
10) Methyl Iodide	4.26	142	349955	54.255	ug/l	99
11) Tert butyl alcohol	5.17	59	76533	214.308	ug/l	95
12) 1,1-Dichloroethene	4.03	96	216327	52.345	ug/l	97
13) Acrolein	3.89	56	67194	213.875	ug/l	99
14) Allyl chloride	4.66	41	371916	47.392	ug/l	97
15) Acrylonitrile	5.36	53	208068	214.000	ug/l	100
16) Acetone	4.12	43	273902	274.979	ug/l	97
17) Carbon Disulfide	4.37	76	637103	48.268	ug/l	100
18) Methyl Acetate	4.67	43	109475	41.206	ug/l	94
19) Methyl tert-butyl Ether	5.42	73	313266	45.814	ug/l	100
20) Methylene Chloride	4.90	84	213713	46.550	ug/l	94
21) trans-1,2-Dichloroethene	5.42	96	232007	49.935	ug/l	96
22) Diisopropyl ether	6.31	45	665254	44.729	ug/l	96
23) Vinyl Acetate	6.25	43	1860635	211.863	ug/l	99
24) 1,1-Dichloroethane	6.21	63	403276	47.902	ug/l	98
25) 2-Butanone	7.16	43	317236	229.293	ug/l	96
26) 2,2-Dichloropropane	7.16	77	292283	51.362	ug/l	98
27) cis-1,2-Dichloroethene	7.16	96	250488	49.468	ug/l	97
28) Bromochloromethane	7.51	49	154618	39.986	ug/l	95
29) Tetrahydrofuran	7.52	42	176421	201.222	ug/l	95
30) Chloroform	7.67	83	407484	49.209	ug/l	99
31) Cyclohexane	7.95	56	385542	44.289	ug/l	100
32) 1,1,1-Trichloroethane	7.87	97	366064	51.182	ug/l	99
36) 1,1-Dichloropropene	8.08	75	335977	52.128	ug/l	98
37) Ethyl Acetate	7.25	43	122664	43.017	ug/l	98
38) Carbon Tetrachloride	8.07	117	356583	54.979	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	422811	49.937	ug/l	96
40) Benzene	8.32	78	903915	50.542	ug/l	99
41) Methacrylonitrile	7.48	41	76817	45.496	ug/l	99
42) 1,2-Dichloroethane	8.40	62	248676	47.980	ug/l	100
43) Isopropyl Acetate	8.42	43	251704	42.488	ug/l	96
44) Trichloroethene	9.09	130	262553	53.985	ug/l	99
45) 1,2-Dichloropropane	9.37	63	218237	48.940	ug/l	99
46) Dibromomethane	9.46	93	109610	47.790	ug/l	95
47) Bromodichloromethane	9.64	83	303422	50.015	ug/l	98
48) Methyl methacrylate	9.43	41	119876	41.384	ug/l	98
49) 1,4-Dioxane	9.44	88	41095	1060.004	ug/l	98
51) 4-Methyl-2-Pentanone	10.21	43	620715	212.086	ug/l	100
52) Toluene	10.39	92	587878	49.795	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	302181	46.811	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	357437	48.792	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	150474	47.299	ug/l	97
56) Ethyl methacrylate	10.65	69	193423	43.390	ug/l	98
57) 1,3-Dichloropropane	10.93	76	267449	46.926	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	464302	214.370	ug/l	97
59) 2-Hexanone	10.97	43	491779	238.018	ug/l	100
60) Dibromochloromethane	11.13	129	199344	48.760	ug/l	100
61) 1,2-Dibromoethane	11.24	107	148042	46.931	ug/l	100
64) Tetrachloroethene	10.86	164	218209	55.570	ug/l	95
65) Chlorobenzene	11.66	112	633796	53.534	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	225573	53.254	ug/l	99
67) Ethyl Benzene	11.73	91	1157825	53.203	ug/l	99
68) m/p-Xylenes	11.84	106	892364	105.684	ug/l	98
69) o-Xylene	12.17	106	421649	52.556	ug/l	97
70) Styrene	12.18	104	680653	51.362	ug/l	98
71) Bromoform	12.35	173	116512	48.888	ug/l	99
73) Isopropylbenzene	12.47	105	1188826	55.148	ug/l	99
74) N-amyl acetate	12.27	43	245747	44.251	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.72	83	166124	48.675	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	123925m	49.294	ug/l	
77) Bromobenzene	12.75	156	256654	54.516	ug/l	93
78) n-propylbenzene	12.80	91	1421211	54.891	ug/l	99
79) 2-Chlorotoluene	12.90	91	780795	53.441	ug/l	98
80) 1,3,5-Trimethylbenzene	12.94	105	976987	54.222	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	60247	47.332	ug/l	99
82) 4-Chlorotoluene	12.99	91	814366	52.352	ug/l	98
83) tert-Butylbenzene	13.21	119	892571	55.667	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	990539	54.086	ug/l	100
85) sec-Butylbenzene	13.39	105	1266103	55.291	ug/l	99
86) p-Isopropyltoluene	13.50	119	1125305	56.102	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	519970	54.688	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	510488	54.025	ug/l	99
89) n-Butylbenzene	13.83	91	1078977	54.786	ug/l	99
90) Hexachloroethane	14.10	117	218812	55.782	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	450128	53.505	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	28806	44.483	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	325364	54.196	ug/l	98
94) Hexachlorobutadiene	15.24	225	211092	58.344	ug/l	99
95) Naphthalene	15.37	128	527831	50.073	ug/l	100
96) 1,2,3-Trichlorobenzene	15.57	180	269335	52.887	ug/l	98

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

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