

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW031319\
 Data File : VW009154.D
 Acq On : 13 Mar 2019 14:18
 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
 3/14/2019 12:43:28 PM

Quant Time: Mar 14 05:26:56 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	289839	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	400093	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	395186	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	222225	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	140743	48.26	ug/l	0.00
Spiked Amount			Recovery	=	96.52%	
35) Dibromofluoromethane	7.88	113	126320	52.44	ug/l	0.00
Spiked Amount			Recovery	=	104.88%	
50) Toluene-d8	10.32	98	572959	57.91	ug/l	0.00
Spiked Amount			Recovery	=	115.82%	
62) 4-Bromofluorobenzene	12.62	95	216383	55.56	ug/l	0.00
Spiked Amount			Recovery	=	111.12%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.00	85	128677	44.052	ug/l	98
3) Chloromethane	2.21	50	173410	46.732	ug/l	99
4) Vinyl Chloride	2.36	62	177276	47.076	ug/l	96
5) Bromomethane	2.77	94	173792	54.672	ug/l	95
6) Chloroethane	2.92	64	130152	48.548	ug/l	99
7) Trichlorofluoromethane	3.26	101	228284	47.082	ug/l	98
8) Diethyl Ether	3.68	74	63866	43.078	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.06	101	136566	45.223	ug/l	99
10) Methyl Iodide	4.27	142	150862	46.307	ug/l	100
11) Tert butyl alcohol	5.20	59	38073	170.380	ug/l	98
12) 1,1-Dichloroethene	4.04	96	123683	47.481	ug/l	99
13) Acrolein	3.90	56	41901	170.402	ug/l	96
14) Allyl chloride	4.67	41	223161	48.568	ug/l	98
15) Acrylonitrile	5.37	53	137238	212.094	ug/l	98
16) Acetone	4.14	43	138871	211.039	ug/l	98
17) Carbon Disulfide	4.38	76	398648	45.485	ug/l	98
18) Methyl Acetate	4.67	43	63014	41.644	ug/l	96
19) Methyl tert-butyl Ether	5.42	73	304492	44.189	ug/l	100
20) Methylene Chloride	4.92	84	146703	47.075	ug/l	95
21) trans-1,2-Dichloroethene	5.42	96	140445	46.694	ug/l	98
22) Diisopropyl ether	6.31	45	447106	48.965	ug/l	99
23) Vinyl Acetate	6.26	43	1262824	222.239	ug/l	100
24) 1,1-Dichloroethane	6.21	63	253043	47.777	ug/l	97
25) 2-Butanone	7.17	43	185011	203.439	ug/l	98
26) 2,2-Dichloropropane	7.17	77	238014	49.440	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	151691	46.959	ug/l	97
28) Bromochloromethane	7.51	49	108170	49.102	ug/l	96
29) Tetrahydrofuran	7.53	42	113138	197.417	ug/l	100
30) Chloroform	7.67	83	260501	47.774	ug/l	98
31) Cyclohexane	7.95	56	250871	46.131	ug/l	97
32) 1,1,1-Trichloroethane	7.87	97	241801	48.051	ug/l	99
36) 1,1-Dichloropropene	8.08	75	213266	50.979	ug/l	100
37) Ethyl Acetate	7.26	43	77152	39.263	ug/l	98
38) Carbon Tetrachloride	8.07	117	218328	50.534	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	264386	53.060	ug/l	98
40) Benzene	8.32	78	576277	51.603	ug/l	98
41) Methacrylonitrile	7.48	41	52043	47.694	ug/l	87
42) 1,2-Dichloroethane	8.40	62	170773	47.367	ug/l	99
43) Isopropyl Acetate	8.42	43	159919	43.696	ug/l	98
44) Trichloroethene	9.09	130	157020	50.166	ug/l	97
45) 1,2-Dichloropropane	9.37	63	140507	50.236	ug/l	98
46) Dibromomethane	9.46	93	70044	45.854	ug/l	99
47) Bromodichloromethane	9.64	83	189449	48.994	ug/l	97
48) Methyl methacrylate	9.43	41	85666	50.270	ug/l	98
49) 1,4-Dioxane	9.46	88	19460	889.643	ug/l #	78
51) 4-Methyl-2-Pentanone	10.21	43	419085	225.563	ug/l	100
52) Toluene	10.39	92	408503	53.937	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	192652	50.375	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	221643	50.433	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	97883	47.278	ug/l	96
56) Ethyl methacrylate	10.65	69	127966	49.801	ug/l	98
57) 1,3-Dichloropropane	10.93	76	172159	46.939	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	331825	249.106	ug/l	100
59) 2-Hexanone	10.97	43	313987	240.364	ug/l	97
60) Dibromochloromethane	11.13	129	124802	48.709	ug/l	100
61) 1,2-Dibromoethane	11.23	107	93944	46.286	ug/l	99
64) Tetrachloroethene	10.87	164	145761	51.146	ug/l	95
65) Chlorobenzene	11.66	112	447520	52.027	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	144498	50.311	ug/l	98
67) Ethyl Benzene	11.73	91	842857	54.240	ug/l	98
68) m/p-Xylenes	11.84	106	651171	106.164	ug/l	99
69) o-Xylene	12.17	106	306108	53.637	ug/l	99
70) Styrene	12.18	104	494404	53.543	ug/l	99
71) Bromoform	12.35	173	71360	46.274	ug/l #	100
73) Isopropylbenzene	12.46	105	871222	54.746	ug/l	99
74) N-amyl acetate	12.27	43	184627	49.008	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	113977	45.404	ug/l	99
76) 1,2,3-Trichloropropane	12.76	75	81818m	46.600	ug/l	
77) Bromobenzene	12.75	156	184644	50.781	ug/l	98
78) n-propylbenzene	12.80	91	1068976	54.534	ug/l	99
79) 2-Chlorotoluene	12.90	91	592592	53.808	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	733549	53.476	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	35600	45.352	ug/l	98
82) 4-Chlorotoluene	12.99	91	628002	53.494	ug/l	100
83) tert-Butylbenzene	13.21	119	641410	55.442	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	747509	53.869	ug/l	99
85) sec-Butylbenzene	13.38	105	945004	55.131	ug/l	99
86) p-Isopropyltoluene	13.50	119	843157	54.986	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	390785	51.140	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	389070	51.520	ug/l	99
89) n-Butylbenzene	13.83	91	814681	55.887	ug/l	99
90) Hexachloroethane	14.10	117	144330	54.575	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	342834	50.850	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	20638	46.160	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	235306	51.679	ug/l	98
94) Hexachlorobutadiene	15.24	225	150577	52.798	ug/l	98
95) Naphthalene	15.37	128	360569	48.377	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	196100	48.979	ug/l	99

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

