

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW052119\
 Data File : VW010477.D
 Acq On : 21 May 2019 10:18
 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
 5/22/2019 11:55:00 AM

Quant Time: May 22 06:49:32 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W052019S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 21 06:38:43 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	153125	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	266263	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	231558	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	109814	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	77142	48.81	ug/l	0.00
Spiked Amount						
			Recovery	=	97.62%	
35) Dibromofluoromethane	7.88	113	81668	50.55	ug/l	0.00
Spiked Amount						
			Recovery	=	101.10%	
50) Toluene-d8	10.32	98	316659	51.30	ug/l	0.00
Spiked Amount						
			Recovery	=	102.60%	
62) 4-Bromofluorobenzene	12.62	95	118202	48.08	ug/l	0.00
Spiked Amount						
			Recovery	=	96.16%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.00	85	71347	52.314	ug/l	99
3) Chloromethane	2.21	50	82270	51.136	ug/l	99
4) Vinyl Chloride	2.35	62	89614	48.088	ug/l	99
5) Bromomethane	2.77	94	75456	58.856	ug/l	98
6) Chloroethane	2.92	64	59592	49.814	ug/l	100
7) Trichlorofluoromethane	3.26	101	144138	52.389	ug/l	97
8) Diethyl Ether	3.68	74	41182	47.219	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	88406	52.177	ug/l	99
10) Methyl Iodide	4.27	142	95855	49.496	ug/l	99
11) Tert butyl alcohol	5.19	59	25202	177.272	ug/l	99
12) 1,1-Dichloroethene	4.04	96	83629	51.706	ug/l	98
13) Acrolein	3.90	56	18406	219.466	ug/l	99
14) Allyl chloride	4.67	41	119324	50.967	ug/l	98
15) Acrylonitrile	5.37	53	75928	207.878	ug/l	99
16) Acetone	4.14	43	69887	216.625	ug/l	98
17) Carbon Disulfide	4.38	76	253528	52.553	ug/l	98
18) Methyl Acetate	4.68	43	31235	39.587	ug/l	99
19) Methyl tert-butyl Ether	5.43	73	191534	46.452	ug/l	97
20) Methylene Chloride	4.92	84	83965	43.719	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	96474	52.002	ug/l	98
22) Diisopropyl ether	6.31	45	234308	48.809	ug/l	99
23) Vinyl Acetate	6.26	43	679970	237.125	ug/l	99
24) 1,1-Dichloroethane	6.21	63	148096	51.696	ug/l	99
25) 2-Butanone	7.17	43	98255	212.814	ug/l	97
26) 2,2-Dichloropropane	7.16	77	146165	53.564	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	103573	51.352	ug/l	100
28) Bromochloromethane	7.51	49	53384	52.048	ug/l	95
29) Tetrahydrofuran	7.53	42	61472	196.762	ug/l	99
30) Chloroform	7.68	83	159077	51.481	ug/l	98
31) Cyclohexane	7.95	56	146151	48.704	ug/l	100
32) 1,1,1-Trichloroethane	7.87	97	153984	52.138	ug/l	99
36) 1,1-Dichloropropene	8.08	75	128239	51.701	ug/l	100
37) Ethyl Acetate	7.25	43	43159	40.918	ug/l	99
38) Carbon Tetrachloride	8.07	117	140978	52.689	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	171504	51.610	ug/l	99
40) Benzene	8.32	78	356757	51.748	ug/l	99
41) Methacrylonitrile	7.48	41	28091	44.822	ug/l	92
42) 1,2-Dichloroethane	8.40	62	96448	48.949	ug/l	100
43) Isopropyl Acetate	8.42	43	90401	42.901	ug/l	98
44) Trichloroethene	9.09	130	106041	51.811	ug/l	100
45) 1,2-Dichloropropane	9.37	63	82258	50.239	ug/l	99
46) Dibromomethane	9.46	93	46615	48.682	ug/l	100
47) Bromodichloromethane	9.65	83	120205	49.955	ug/l	99
48) Methyl methacrylate	9.43	41	41570	43.121	ug/l	97
49) 1,4-Dioxane	9.46	88	11676	746.450	ug/l #	81
51) 4-Methyl-2-Pentanone	10.21	43	217862	204.035	ug/l	99
52) Toluene	10.39	92	237416	51.279	ug/l	100
53) t-1,3-Dichloropropene	10.61	75	118699	48.706	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	141565	50.864	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	66030	47.954	ug/l	99
56) Ethyl methacrylate	10.65	69	83688	44.068	ug/l	99
57) 1,3-Dichloropropane	10.93	76	109831	47.618	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	193262	229.761	ug/l	99
59) 2-Hexanone	10.97	43	163938	215.229	ug/l	100
60) Dibromochloromethane	11.13	129	84252	48.346	ug/l	100
61) 1,2-Dibromoethane	11.24	107	65507	46.964	ug/l	98
64) Tetrachloroethene	10.86	164	82273	50.969	ug/l	99
65) Chlorobenzene	11.66	112	255167	51.705	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	91100	51.532	ug/l	99
67) Ethyl Benzene	11.73	91	452087	51.886	ug/l	100
68) m/p-Xylenes	11.84	106	350969	102.697	ug/l	100
69) o-Xylene	12.17	106	164425	50.781	ug/l	100
70) Styrene	12.18	104	279424	50.861	ug/l	100
71) Bromoform	12.35	173	44522	45.733	ug/l #	99
73) Isopropylbenzene	12.47	105	453363	52.026	ug/l	100
74) N-amyl acetate	12.27	43	85333	42.733	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.72	83	70660	44.581	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	48987m	43.947	ug/l	
77) Bromobenzene	12.75	156	100391	51.481	ug/l	98
78) n-propylbenzene	12.80	91	520680	51.272	ug/l	100
79) 2-Chlorotoluene	12.90	91	298789	50.735	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	377681	51.174	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.52	75	24024	44.980	ug/l	100
82) 4-Chlorotoluene	12.99	91	310201	50.746	ug/l	100
83) tert-Butylbenzene	13.21	119	335798	52.088	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	369188	50.226	ug/l	100
85) sec-Butylbenzene	13.38	105	456912	50.645	ug/l	100
86) p-Isopropyltoluene	13.50	119	409668	50.168	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	190253	49.728	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	193845	50.499	ug/l	99
89) n-Butylbenzene	13.83	91	387934	49.945	ug/l	99
90) Hexachloroethane	14.10	117	81837	51.776	ug/l	97
91) 1,2-Dichlorobenzene	13.87	146	171772	49.275	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	12033	40.829	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	111649	47.073	ug/l	99
94) Hexachlorobutadiene	15.24	225	61915	48.864	ug/l	98
95) Naphthalene	15.37	128	214526	43.088	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	94005	46.061	ug/l	98

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

