

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW053019\
 Data File : VW010627.D
 Acq On : 30 May 2019 21:00
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 6/1/2019 4:27:17 AM

Quant Time: May 31 08:55:47 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	117975	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	206192	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	185178	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	91528	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	68205	56.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.02%	
35) Dibromofluoromethane	7.88	113	69907	55.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.74%	
50) Toluene-d8	10.32	98	264115	55.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.52%	
62) 4-Bromofluorobenzene	12.62	95	104306	54.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.58%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	47124	44.807	ug/l	99
3) Chloromethane	2.21	50	52263	42.164	ug/l	97
4) Vinyl Chloride	2.36	62	57671	40.167	ug/l	99
5) Bromomethane	2.76	94	47497	48.086	ug/l	97
6) Chloroethane	2.91	64	41014	44.499	ug/l	97
7) Trichlorofluoromethane	3.26	101	109544	51.678	ug/l	96
8) Diethyl Ether	3.68	74	36698	54.615	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.06	101	68361	52.367	ug/l	99
10) Methyl Iodide	4.27	142	61337	41.108	ug/l	98
11) Tert butyl alcohol	5.19	59	26250	239.657	ug/l #	82
12) 1,1-Dichloroethene	4.03	96	64800	52.001	ug/l	93
13) Acrolein	3.90	56	16776	264.112	ug/l	96
14) Allyl chloride	4.67	41	89121	49.408	ug/l	99
15) Acrylonitrile	5.37	53	73754	262.089	ug/l	98
16) Acetone	4.13	43	54792	220.438	ug/l	99
17) Carbon Disulfide	4.37	76	165865	44.625	ug/l	100
18) Methyl Acetate	4.67	43	33571	55.224	ug/l	99
19) Methyl tert-butyl Ether	5.43	73	177517	55.880	ug/l	98
20) Methylene Chloride	4.92	84	69197	47.158	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	75436	52.777	ug/l	98
22) Diisopropyl ether	6.31	45	197196	53.317	ug/l	97
23) Vinyl Acetate	6.26	43	580675	262.831	ug/l	99
24) 1,1-Dichloroethane	6.21	63	119837	54.295	ug/l	99
25) 2-Butanone	7.17	43	93868	263.887	ug/l	97
26) 2,2-Dichloropropane	7.17	77	102501	48.754	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	85746	55.180	ug/l	98
28) Bromochloromethane	7.51	49	45938	58.132	ug/l	95
29) Tetrahydrofuran	7.52	42	62641	260.243	ug/l	98
30) Chloroform	7.68	83	134879	56.655	ug/l	99
31) Cyclohexane	7.95	56	108875	47.092	ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	121139	53.238	ug/l	98
36) 1,1-Dichloropropene	8.08	75	100275	52.205	ug/l	99
37) Ethyl Acetate	7.25	43	42950	52.583	ug/l	97
38) Carbon Tetrachloride	8.07	117	108375	52.304	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	129286	50.240	ug/l	96
40) Benzene	8.32	78	292006	54.696	ug/l	99
41) Methacrylonitrile	7.48	41	24052	49.558	ug/l	99
42) 1,2-Dichloroethane	8.40	62	83894	54.982	ug/l	99
43) Isopropyl Acetate	8.43	43	85208	52.217	ug/l	98
44) Trichloroethene	9.09	130	87308	55.086	ug/l	99
45) 1,2-Dichloropropane	9.37	63	69018	54.434	ug/l	97
46) Dibromomethane	9.46	93	42102	56.779	ug/l	96
47) Bromodichloromethane	9.65	83	100704	54.043	ug/l	100
48) Methyl methacrylate	9.43	41	38517	51.595	ug/l	97
49) 1,4-Dioxane	9.45	88	11180	922.970	ug/l	93
51) 4-Methyl-2-Pentanone	10.21	43	223317	270.074	ug/l	99
52) Toluene	10.39	92	195693	54.581	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	98628	52.261	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	115270	53.482	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	60914	57.126	ug/l	98
56) Ethyl methacrylate	10.65	69	79161	53.829	ug/l	98
57) 1,3-Dichloropropane	10.93	76	101034	56.566	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	178491	274.021	ug/l	97
59) 2-Hexanone	10.97	43	151926	257.568	ug/l	98
60) Dibromochloromethane	11.13	129	75385	55.861	ug/l	100
61) 1,2-Dibromoethane	11.23	107	61650	57.075	ug/l	99
64) Tetrachloroethene	10.86	164	78368	60.710	ug/l	97
65) Chlorobenzene	11.66	112	218914	55.469	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	78493	55.521	ug/l	100
67) Ethyl Benzene	11.73	91	371280	53.285	ug/l	100
68) m/p-Xylenes	11.84	106	292439	107.003	ug/l	98
69) o-Xylene	12.16	106	140446	54.239	ug/l	98
70) Styrene	12.18	104	242238	55.136	ug/l	98
71) Bromoform	12.35	173	41650	53.498	ug/l #	100
73) Isopropylbenzene	12.46	105	374270	51.531	ug/l	100
74) N-amyl acetate	12.27	43	80610	48.433	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.71	83	69398	52.532	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	48103m	51.776	ug/l	
77) Bromobenzene	12.75	156	90943	55.953	ug/l	96
78) n-propylbenzene	12.80	91	426353	50.371	ug/l	99
79) 2-Chlorotoluene	12.90	91	254103	51.767	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	312381	50.782	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	20398	45.821	ug/l	96
82) 4-Chlorotoluene	12.99	91	262158	51.455	ug/l	99
83) tert-Butylbenzene	13.21	119	272865	50.782	ug/l	100
84) 1,2,4-Trimethylbenzene	13.25	105	311104	50.779	ug/l	100
85) sec-Butylbenzene	13.38	105	377917	50.258	ug/l	99
86) p-Isopropyltoluene	13.50	119	341822	50.222	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	171753	53.861	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	173069	54.094	ug/l	100
89) n-Butylbenzene	13.83	91	314258	48.542	ug/l	99
90) Hexachloroethane	14.10	117	66810	50.714	ug/l	100
91) 1,2-Dichlorobenzene	13.87	146	157468	54.196	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	11868	48.314	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	106253	53.748	ug/l	100
94) Hexachlorobutadiene	15.24	225	56410	53.414	ug/l	99
95) Naphthalene	15.37	128	217411	52.391	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	92241	54.226	ug/l	99

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

