

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW052019\
 Data File : VW010447.D
 Acq On : 20 May 2019 14:06
 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
 5/21/2019 11:28:25 AM

Quant Time: May 21 06:54:26 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	838555	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	1400414	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	1214012	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	592172	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	392682	45.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.74%	
35) Dibromofluoromethane	7.88	113	425502	50.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.14%	
50) Toluene-d8	10.32	98	1666519	51.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.68%	
62) 4-Bromofluorobenzene	12.62	95	611142	47.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.52%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	304760	40.743	ug/l	97
3) Chloromethane	2.21	50	383356	43.511	ug/l	100
4) Vinyl Chloride	2.36	62	443400	43.448	ug/l	99
5) Bromomethane	2.76	94	288683	41.118	ug/l	97
6) Chloroethane	2.91	64	291863	44.551	ug/l	99
7) Trichlorofluoromethane	3.25	101	663080	44.009	ug/l	99
8) Diethyl Ether	3.68	74	189662	39.711	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.06	101	411180	44.314	ug/l	98
10) Methyl Iodide	4.27	142	471486	44.456	ug/l	99
11) Tert butyl alcohol	5.16	59	135452	173.982	ug/l	97
12) 1,1-Dichloroethene	4.03	96	387307	43.727	ug/l	99
13) Acrolein	3.89	56	104930	229.471	ug/l	95
14) Allyl chloride	4.67	41	565727	44.125	ug/l	100
15) Acrylonitrile	5.37	53	387569	193.763	ug/l	98
16) Acetone	4.12	43	353801	200.256	ug/l	99
17) Carbon Disulfide	4.38	76	1109921	42.012	ug/l	99
18) Methyl Acetate	4.67	43	150751	34.888	ug/l	100
19) Methyl tert-butyl Ether	5.42	73	894176	39.600	ug/l	96
20) Methylene Chloride	4.92	84	434567	41.009	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	437958	43.108	ug/l	99
22) Diisopropyl ether	6.31	45	1108669	42.172	ug/l	98
23) Vinyl Acetate	6.25	43	3174476	202.150	ug/l	98
24) 1,1-Dichloroethane	6.21	63	697361	44.452	ug/l	99
25) 2-Butanone	7.17	43	463367	183.267	ug/l	99
26) 2,2-Dichloropropane	7.17	77	702743	47.026	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	482231	43.659	ug/l	99
28) Bromochloromethane	7.51	49	269005	47.892	ug/l	99
29) Tetrahydrofuran	7.52	42	297635	173.965	ug/l	99
30) Chloroform	7.67	83	745021	44.027	ug/l	99
31) Cyclohexane	7.95	56	673262	40.970	ug/l	100
32) 1,1,1-Trichloroethane	7.87	97	723335	44.723	ug/l	98
36) 1,1-Dichloropropene	8.09	75	589820	45.212	ug/l	100
37) Ethyl Acetate	7.25	43	212338	38.276	ug/l	99
38) Carbon Tetrachloride	8.07	117	651027	46.261	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	802049	45.889	ug/l	98
40) Benzene	8.32	78	1638902	45.199	ug/l	99
41) Methacrylonitrile	7.48	41	140933	42.756	ug/l	91
42) 1,2-Dichloroethane	8.40	62	440548	42.510	ug/l	100
43) Isopropyl Acetate	8.43	43	431433	38.928	ug/l	99
44) Trichloroethene	9.09	130	485863	45.135	ug/l	100
45) 1,2-Dichloropropane	9.37	63	387395	44.986	ug/l	98
46) Dibromomethane	9.46	93	210290	41.756	ug/l	99
47) Bromodichloromethane	9.64	83	558280	44.112	ug/l	97
48) Methyl methacrylate	9.43	41	209754	41.369	ug/l	92
49) 1,4-Dioxane	9.45	88	66887	813.023	ug/l	97
51) 4-Methyl-2-Pentanone	10.21	43	1068861	190.326	ug/l	100
52) Toluene	10.39	92	1090232	44.772	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	550766	42.970	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	662781	45.277	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	301722	41.662	ug/l	99
56) Ethyl methacrylate	10.65	69	395372	39.584	ug/l	100
57) 1,3-Dichloropropane	10.93	76	509284	41.982	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	953642	215.560	ug/l	99
59) 2-Hexanone	10.97	43	757378	189.055	ug/l	99
60) Dibromochloromethane	11.13	129	396148	43.221	ug/l	99
61) 1,2-Dibromoethane	11.24	107	300197	40.920	ug/l	100
64) Tetrachloroethene	10.87	164	384655	45.452	ug/l	96
65) Chlorobenzene	11.66	112	1186088	45.842	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	424444	45.794	ug/l	99
67) Ethyl Benzene	11.73	91	2120045	46.410	ug/l	99
68) m/p-Xylenes	11.84	106	1657580	92.512	ug/l	99
69) o-Xylene	12.16	106	780387	45.971	ug/l	99
70) Styrene	12.18	104	1324268	45.977	ug/l	100
71) Bromoform	12.35	173	218963	42.900	ug/l #	98
73) Isopropylbenzene	12.46	105	2174589	46.277	ug/l	100
74) N-amyl acetate	12.27	43	425498	39.514	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.71	83	336073	39.320	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	231898m	38.579	ug/l	
77) Bromobenzene	12.75	156	473301	45.009	ug/l	98
78) n-propylbenzene	12.80	91	2530800	46.215	ug/l	100
79) 2-Chlorotoluene	12.90	91	1433126	45.127	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	1838449	46.194	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	115445	40.083	ug/l	97
82) 4-Chlorotoluene	12.99	91	1480561	44.916	ug/l	99
83) tert-Butylbenzene	13.21	119	1587539	45.666	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	1811463	45.700	ug/l	100
85) sec-Butylbenzene	13.38	105	2262955	46.515	ug/l	100
86) p-Isopropyltoluene	13.50	119	2038729	46.298	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	934082	45.276	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	928764	44.869	ug/l	99
89) n-Butylbenzene	13.83	91	1976180	47.181	ug/l	99
90) Hexachloroethane	14.10	117	404092	47.410	ug/l	100
91) 1,2-Dichlorobenzene	13.87	146	830316	44.170	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	58760	36.973	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	595441	46.555	ug/l	100
94) Hexachlorobutadiene	15.24	225	333122	48.753	ug/l	99
95) Naphthalene	15.37	128	1122654	41.815	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	496063	45.074	ug/l	99

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

