

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW051719\
 Data File : VW010425.D
 Acq On : 17 May 2019 21:53
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 5/20/2019 12:15:15 PM

Quant Time: May 18 00:11:52 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W051719S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 17 23:49:26 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	713399	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	1292249	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	1152566	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	558011	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	436442	55.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.56%	
35) Dibromofluoromethane	7.88	113	413215	51.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.54%	
50) Toluene-d8	10.32	98	1550082	52.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.16%	
62) 4-Bromofluorobenzene	12.62	95	601475	51.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.94%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	246863	49.219	ug/l	97
3) Chloromethane	2.20	50	370431	50.810	ug/l	100
4) Vinyl Chloride	2.35	62	386293	45.196	ug/l	98
5) Bromomethane	2.75	94	248137	57.837	ug/l	98
6) Chloroethane	2.90	64	256305	48.110	ug/l	92
7) Trichlorofluoromethane	3.25	101	555194	46.839	ug/l	99
8) Diethyl Ether	3.68	74	216226	51.285	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.05	101	356209	47.216	ug/l	99
10) Methyl Iodide	4.26	142	417809	49.522	ug/l	99
11) Tert butyl alcohol	5.18	59	205769	289.939	ug/l	99
12) 1,1-Dichloroethene	4.03	96	335167	47.110	ug/l	98
13) Acrolein	3.89	56	118152	263.525	ug/l	100
14) Allyl chloride	4.67	41	534917	48.470	ug/l	100
15) Acrylonitrile	5.37	53	495074	274.638	ug/l	99
16) Acetone	4.12	43	377666	274.028	ug/l	95
17) Carbon Disulfide	4.37	76	941398	46.338	ug/l	99
18) Methyl Acetate	4.67	43	220982	51.308	ug/l	100
19) Methyl tert-butyl Ether	5.42	73	1080145	52.931	ug/l	98
20) Methylene Chloride	4.91	84	380935	52.904	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	406613	49.003	ug/l	99
22) Diisopropyl ether	6.31	45	1202111	51.037	ug/l	99
23) Vinyl Acetate	6.25	43	3829566	260.636	ug/l	100
24) 1,1-Dichloroethane	6.21	63	669706	49.112	ug/l	99
25) 2-Butanone	7.17	43	657032	279.666	ug/l	98
26) 2,2-Dichloropropane	7.17	77	547768	44.514	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	466458	50.126	ug/l	99
28) Bromochloromethane	7.51	49	293811	57.348	ug/l	98
29) Tetrahydrofuran	7.53	42	450515	283.369	ug/l	99
30) Chloroform	7.68	83	724881	50.542	ug/l	100
31) Cyclohexane	7.95	56	599461	49.796	ug/l	97
32) 1,1,1-Trichloroethane	7.87	97	661887	48.942	ug/l	99
36) 1,1-Dichloropropene	8.08	75	538472	47.068	ug/l	99
37) Ethyl Acetate	7.25	43	303442	55.281	ug/l	99
38) Carbon Tetrachloride	8.07	117	583969	47.299	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	703651	46.058	ug/l	97
40) Benzene	8.32	78	1586020	48.577	ug/l	98
41) Methacrylonitrile	7.49	41	173233	52.703	ug/l	91
42) 1,2-Dichloroethane	8.40	62	497218	51.111	ug/l	99
43) Isopropyl Acetate	8.42	43	600361	53.709	ug/l	100
44) Trichloroethene	9.09	130	456676	48.820	ug/l	99
45) 1,2-Dichloropropane	9.37	63	400542	50.115	ug/l	98
46) Dibromomethane	9.46	93	243289	51.530	ug/l	98
47) Bromodichloromethane	9.65	83	594030	50.632	ug/l	97
48) Methyl methacrylate	9.43	41	271177	52.648	ug/l	99
49) 1,4-Dioxane	9.45	88	77781	1113.167	ug/l	97
51) 4-Methyl-2-Pentanone	10.21	43	1546304	270.438	ug/l	100
52) Toluene	10.39	92	1038801	47.905	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	607151	50.178	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	675985	49.278	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	353788	51.936	ug/l	97
56) Ethyl methacrylate	10.65	69	496244	52.207	ug/l	99
57) 1,3-Dichloropropane	10.93	76	590988	51.753	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	1220609	267.253	ug/l	99
59) 2-Hexanone	10.97	43	1080560	271.395	ug/l	99
60) Dibromochloromethane	11.13	129	435775	51.552	ug/l	100
61) 1,2-Dibromoethane	11.24	107	358374	51.910	ug/l	98
64) Tetrachloroethene	10.86	164	403918	53.281	ug/l	99
65) Chlorobenzene	11.66	112	1149552	49.117	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	437668	50.640	ug/l	99
67) Ethyl Benzene	11.73	91	1974326	47.889	ug/l	100
68) m/p-Xylenes	11.84	106	1546634	95.849	ug/l	99
69) o-Xylene	12.16	106	751323	48.845	ug/l	100
70) Styrene	12.18	104	1304743	49.264	ug/l	99
71) Bromoform	12.35	173	260102	53.412	ug/l #	99
73) Isopropylbenzene	12.46	105	1972984	45.726	ug/l	100
74) N-amyl acetate	12.27	43	565809	51.170	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.71	83	427539	50.030	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	297485m	49.786	ug/l	
77) Bromobenzene	12.75	156	479457	49.188	ug/l	99
78) n-propylbenzene	12.80	91	2272612	45.406	ug/l	100
79) 2-Chlorotoluene	12.89	91	1368877	46.835	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	1716220	46.729	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	142756	47.145	ug/l	99
82) 4-Chlorotoluene	12.99	91	1427622	46.769	ug/l	99
83) tert-Butylbenzene	13.21	119	1448307	46.629	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	1704447	47.172	ug/l	100
85) sec-Butylbenzene	13.38	105	2020593	46.199	ug/l	100
86) p-Isopropyltoluene	13.50	119	1828758	46.285	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	892043	47.520	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	915183	48.978	ug/l	98
89) n-Butylbenzene	13.83	91	1715670	45.511	ug/l	100
90) Hexachloroethane	14.10	117	374376	47.103	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	848403	49.708	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	84409	53.080	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	548784	49.323	ug/l	100
94) Hexachlorobutadiene	15.24	225	284021	47.815	ug/l	98
95) Naphthalene	15.37	128	1323794	52.635	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	501181	51.089	ug/l	98

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

