

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW051719\
 Data File : VW010445.D
 Acq On : 18 May 2019 08:08
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 5/20/2019 12:15:10 PM

Quant Time: May 20 05:56:36 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W051719S.M
 Quant Title : SW846 8260
 QLast Update : Sat May 18 01:59:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	686011	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	1337834	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	1247993	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	601799	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	447190	59.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	118.88%	
35) Dibromofluoromethane	7.88	113	433121	52.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.84%	
50) Toluene-d8	10.32	98	1555301	50.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.96%	
62) 4-Bromofluorobenzene	12.62	95	625769	51.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.46%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	207545	42.521	ug/l	98
3) Chloromethane	2.20	50	320643	45.440	ug/l	99
4) Vinyl Chloride	2.34	62	337159	41.022	ug/l	99
5) Bromomethane	2.74	94	256991	62.672	ug/l	97
6) Chloroethane	2.90	64	246746	48.165	ug/l	98
7) Trichlorofluoromethane	3.25	101	522760	45.864	ug/l	98
8) Diethyl Ether	3.68	74	240547	59.332	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.05	101	328978	45.348	ug/l	96
10) Methyl Iodide	4.26	142	425159	52.405	ug/l	99
11) Tert butyl alcohol	5.15	59	236086	345.937	ug/l	99
12) 1,1-Dichloroethene	4.03	96	325040	47.511	ug/l	95
13) Acrolein	3.89	56	84421	185.211	ug/l	96
14) Allyl chloride	4.66	41	532147	50.144	ug/l	99
15) Acrylonitrile	5.36	53	553364	319.229	ug/l	99
16) Acetone	4.12	43	428079	323.008	ug/l	97
17) Carbon Disulfide	4.37	76	879124	45.001	ug/l	100
18) Methyl Acetate	4.67	43	296936	71.696	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	1196352	60.966	ug/l	99
20) Methylene Chloride	4.91	84	417433	60.866	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	403364	50.552	ug/l	99
22) Diisopropyl ether	6.31	45	1302481	57.507	ug/l	99
23) Vinyl Acetate	6.25	43	3583944	253.658	ug/l	99
24) 1,1-Dichloroethane	6.21	63	715484	54.564	ug/l	99
25) 2-Butanone	7.17	43	722437	319.782	ug/l	97
26) 2,2-Dichloropropane	7.17	77	413340	34.930	ug/l	97
27) cis-1,2-Dichloroethene	7.17	96	503926	56.315	ug/l	97
28) Bromochloromethane	7.51	49	313380	63.610	ug/l	98
29) Tetrahydrofuran	7.52	42	489289	320.045	ug/l	99
30) Chloroform	7.67	83	784725	56.900	ug/l	100
31) Cyclohexane	7.95	56	540529	46.425	ug/l	94
32) 1,1,1-Trichloroethane	7.87	97	652324	50.161	ug/l	100
36) 1,1-Dichloropropene	8.08	75	513345	43.343	ug/l	100
37) Ethyl Acetate	7.25	43	323478	56.924	ug/l	98
38) Carbon Tetrachloride	8.06	117	558473	43.693	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	640488	40.495	ug/l	98
40) Benzene	8.32	78	1670097	49.409	ug/l	99
41) Methacrylonitrile	7.48	41	178638	52.496	ug/l #	85
42) 1,2-Dichloroethane	8.40	62	541105	53.728	ug/l	99
43) Isopropyl Acetate	8.42	43	637265	55.068	ug/l	99
44) Trichloroethene	9.09	130	476767	49.231	ug/l	100
45) 1,2-Dichloropropane	9.37	63	431701	52.173	ug/l	100
46) Dibromomethane	9.46	93	267821	54.793	ug/l	98
47) Bromodichloromethane	9.64	83	644726	53.081	ug/l	97
48) Methyl methacrylate	9.43	41	286873	53.798	ug/l	98
49) 1,4-Dioxane	9.45	88	89610	1238.761	ug/l	95
51) 4-Methyl-2-Pentanone	10.21	43	1658775	280.223	ug/l	100
52) Toluene	10.38	92	1093327	48.702	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	614055	49.020	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	683655	48.139	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	395676	56.106	ug/l	98
56) Ethyl methacrylate	10.65	69	539721	54.846	ug/l	99
57) 1,3-Dichloropropane	10.93	76	653775	55.300	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	1298095	274.534	ug/l	99
59) 2-Hexanone	10.97	43	1145064	277.797	ug/l	100
60) Dibromochloromethane	11.13	129	489733	55.961	ug/l	100
61) 1,2-Dibromoethane	11.23	107	395599	55.349	ug/l	98
64) Tetrachloroethene	10.86	164	526008	64.080	ug/l	98
65) Chlorobenzene	11.66	112	1248355	49.260	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	478177	51.096	ug/l	99
67) Ethyl Benzene	11.73	91	2060149	46.149	ug/l	99
68) m/p-Xylenes	11.84	106	1622905	92.885	ug/l	100
69) o-Xylene	12.16	106	808978	48.572	ug/l	99
70) Styrene	12.18	104	1426947	49.758	ug/l	99
71) Bromoform	12.35	173	293017	55.571	ug/l #	99
73) Isopropylbenzene	12.46	105	2040992	43.860	ug/l	100
74) N-amyl acetate	12.27	43	585336	49.084	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	459923	49.904	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	320053m	49.665	ug/l	
77) Bromobenzene	12.75	156	523399	49.789	ug/l	99
78) n-propylbenzene	12.80	91	2324682	43.067	ug/l	99
79) 2-Chlorotoluene	12.89	91	1441695	45.738	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	1773453	44.774	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	129115	39.537	ug/l	99
82) 4-Chlorotoluene	12.99	91	1502094	45.628	ug/l	99
83) tert-Butylbenzene	13.21	119	1533923	45.792	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	1803213	46.274	ug/l	100
85) sec-Butylbenzene	13.38	105	2035202	43.148	ug/l	100
86) p-Isopropyltoluene	13.50	119	1846960	43.344	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	968637	47.846	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	981191	48.689	ug/l	99
89) n-Butylbenzene	13.83	91	1679056	41.299	ug/l	100
90) Hexachloroethane	14.10	117	387664	45.226	ug/l	97
91) 1,2-Dichlorobenzene	13.87	146	931586	50.610	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	88999	51.894	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	569735	47.480	ug/l	99
94) Hexachlorobutadiene	15.24	225	277136	43.261	ug/l	98
95) Naphthalene	15.37	128	1410048	51.985	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	529042	50.005	ug/l	99

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

