

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW051019\
 Data File : VW010374.D
 Acq On : 10 May 2019 23:43
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 5/11/2019 12:12:38 PM

Quant Time: May 11 00:36:37 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W050919S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 10 03:41:21 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	1190672	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	2001364	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	1901800	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	958760	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	775765	61.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	122.56%	
35) Dibromofluoromethane	7.88	113	649161	55.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.86%	
50) Toluene-d8	10.32	98	2582879	54.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.32%	
62) 4-Bromofluorobenzene	12.62	95	953033	56.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.54%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	392789	43.062	ug/l	98
3) Chloromethane	2.21	50	557088	45.707	ug/l	97
4) Vinyl Chloride	2.37	62	677316	44.715	ug/l	99
5) Bromomethane	2.77	94	408950	46.818	ug/l	99
6) Chloroethane	2.92	64	415081	47.384	ug/l	95
7) Trichlorofluoromethane	3.25	101	267826	35.320	ug/l	97
8) Diethyl Ether	3.67	74	360313	54.051	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	4.05	101	574588	46.244	ug/l	96
10) Methyl Iodide	4.27	142	847015	48.138	ug/l	96
11) Tert butyl alcohol	5.17	59	235615	263.565	ug/l	100
12) 1,1-Dichloroethene	4.04	96	596671	45.956	ug/l	92
13) Acrolein	3.89	56	307170	260.257	ug/l	95
14) Allyl chloride	4.66	41	850679	43.893	ug/l	91
15) Acrylonitrile	5.37	53	927469	251.016	ug/l	98
16) Acetone	4.12	43	768773	232.964	ug/l	97
17) Carbon Disulfide	4.38	76	1708727	43.515	ug/l	100
18) Methyl Acetate	4.67	43	439504	53.770	ug/l	95
19) Methyl tert-butyl Ether	5.42	73	864007	55.901	ug/l	98
20) Methylene Chloride	4.92	84	698246	50.730	ug/l	94
21) trans-1,2-Dichloroethene	5.42	96	677845	48.502	ug/l	97
22) Diisopropyl ether	6.31	45	2184832	58.087	ug/l	93
23) Vinyl Acetate	6.25	43	7306228	282.889	ug/l	96
24) 1,1-Dichloroethane	6.21	63	1321624	52.189	ug/l	99
25) 2-Butanone	7.17	43	1362086	269.811	ug/l	96
26) 2,2-Dichloropropane	7.17	77	520072	41.277	ug/l	95
27) cis-1,2-Dichloroethene	7.17	96	766477	53.329	ug/l	95
28) Bromochloromethane	7.51	49	525384	56.273	ug/l	97
29) Tetrahydrofuran	7.53	42	915711	280.440	ug/l	96
30) Chloroform	7.67	83	1283543	54.159	ug/l	97
31) Cyclohexane	7.95	56	1149477	44.332	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	875869	47.712	ug/l	99
36) 1,1-Dichloropropene	8.08	75	986700	45.470	ug/l	100
37) Ethyl Acetate	7.25	43	612316	52.996	ug/l	98
38) Carbon Tetrachloride	8.06	117	836522	44.970	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	1186733	44.705	ug/l	97
40) Benzene	8.32	78	2933122	49.355	ug/l	100
41) Methacrylonitrile	7.48	41	349250	53.900	ug/l	96
42) 1,2-Dichloroethane	8.40	62	915310	53.807	ug/l	97
43) Isopropyl Acetate	8.43	43	1034457	53.985	ug/l	98
44) Trichloroethene	9.09	130	702241	47.200	ug/l	98
45) 1,2-Dichloropropane	9.37	63	784425	53.101	ug/l	99
46) Dibromomethane	9.46	93	404007	52.939	ug/l	99
47) Bromodichloromethane	9.64	83	974703	53.244	ug/l	99
48) Methyl methacrylate	9.44	41	510178	56.309	ug/l	90
49) 1,4-Dioxane	9.45	88	153727	1155.082	ug/l	96
51) 4-Methyl-2-Pentanone	10.21	43	3071370	279.530	ug/l	94
52) Toluene	10.38	92	1816608	50.011	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	978877	52.790	ug/l	96
54) cis-1,3-Dichloropropene	10.07	75	1146958	52.229	ug/l	90
55) 1,1,2-Trichloroethane	10.79	97	586769	54.133	ug/l	97
56) Ethyl methacrylate	10.65	69	844068	58.969	ug/l #	89
57) 1,3-Dichloropropane	10.93	76	1064874	54.954	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	1968264	287.203	ug/l	99
59) 2-Hexanone	10.97	43	2158681	277.871	ug/l	93
60) Dibromochloromethane	11.13	129	638759	54.764	ug/l	100
61) 1,2-Dibromoethane	11.23	107	557291	53.558	ug/l	97
64) Tetrachloroethene	10.86	164	674015	50.707	ug/l	98
65) Chlorobenzene	11.66	112	1876288	47.660	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	663905	49.895	ug/l	98
67) Ethyl Benzene	11.73	91	3474158	47.971	ug/l	99
68) m/p-Xylenes	11.84	106	2580020	95.882	ug/l	100
69) o-Xylene	12.16	106	1212633	49.818	ug/l	98
70) Styrene	12.18	104	2181695	51.439	ug/l	99
71) Bromoform	12.35	173	383906	50.472	ug/l #	98
73) Isopropylbenzene	12.46	105	3304690	47.288	ug/l	100
74) N-amyl acetate	12.27	43	982456	54.416	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.71	83	755333	49.054	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	532468m	47.634	ug/l	
77) Bromobenzene	12.75	156	772555	48.960	ug/l	97
78) n-propylbenzene	12.80	91	4049823	46.920	ug/l	100
79) 2-Chlorotoluene	12.90	91	2339685	47.599	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	2857185	48.496	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	225767	45.611	ug/l	94
82) 4-Chlorotoluene	12.99	91	2456054	47.689	ug/l	99
83) tert-Butylbenzene	13.21	119	2318782	47.186	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	2886271	49.300	ug/l	100
85) sec-Butylbenzene	13.38	105	3366477	46.406	ug/l	100
86) p-Isopropyltoluene	13.50	119	3062273	47.543	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	1509826	47.917	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	1491997	47.715	ug/l	99
89) n-Butylbenzene	13.83	91	2995917	46.388	ug/l	98
90) Hexachloroethane	14.10	117	545883	45.694	ug/l	93
91) 1,2-Dichlorobenzene	13.87	146	1361067	48.797	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	130666	47.124	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	938382	49.295	ug/l	99
94) Hexachlorobutadiene	15.24	225	550042	45.072	ug/l	99
95) Naphthalene	15.37	128	2070019	47.772	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	875369	50.902	ug/l	99

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

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