

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW060319\
 Data File : VW010652.D
 Acq On : 03 Jun 2019 11:36
 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
 6/4/2019 12:12:42 PM

Quant Time: Jun 04 07:47:34 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	183570	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	289522	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	259451	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	132653	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	82838	43.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.44%	
35) Dibromofluoromethane	7.88	113	91993	52.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.74%	
50) Toluene-d8	10.32	98	346805	51.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.36%	
62) 4-Bromofluorobenzene	12.62	95	133795	50.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.10%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	77486	47.366	ug/l	97
3) Chloromethane	2.21	50	79231	41.080	ug/l	98
4) Vinyl Chloride	2.35	62	90606	40.556	ug/l	99
5) Bromomethane	2.75	94	65446	42.582	ug/l	97
6) Chloroethane	2.91	64	64583	45.032	ug/l	98
7) Trichlorofluoromethane	3.25	101	171510	51.999	ug/l	97
8) Diethyl Ether	3.68	74	49039	46.903	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.06	101	106410	52.387	ug/l	96
10) Methyl Iodide	4.27	142	106024	45.667	ug/l	97
11) Tert butyl alcohol	5.17	59	37826	221.942	ug/l	98
12) 1,1-Dichloroethene	4.04	96	97191	50.125	ug/l	96
13) Acrolein	3.89	56	20459	201.703	ug/l	97
14) Allyl chloride	4.67	41	133988	47.739	ug/l	99
15) Acrylonitrile	5.37	53	95743	218.654	ug/l	99
16) Acetone	4.12	43	112122	289.900	ug/l	100
17) Carbon Disulfide	4.38	76	259534	44.875	ug/l	100
18) Methyl Acetate	4.67	43	45248	47.836	ug/l	99
19) Methyl tert-butyl Ether	5.43	73	233773	47.293	ug/l	97
20) Methylene Chloride	4.92	84	100339	43.562	ug/l	96
21) trans-1,2-Dichloroethene	5.42	96	112665	50.657	ug/l	98
22) Diisopropyl ether	6.31	45	273961	47.604	ug/l	98
23) Vinyl Acetate	6.26	43	769859	223.946	ug/l	100
24) 1,1-Dichloroethane	6.21	63	174352	50.768	ug/l	99
25) 2-Butanone	7.17	43	135106	244.098	ug/l	98
26) 2,2-Dichloropropane	7.17	77	168860	51.618	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	124232	51.379	ug/l	98
28) Bromochloromethane	7.51	49	59111	48.073	ug/l	91
29) Tetrahydrofuran	7.53	42	76709	204.811	ug/l	99
30) Chloroform	7.68	83	187718	50.675	ug/l	99
31) Cyclohexane	7.95	56	164842	45.822	ug/l	94
32) 1,1,1-Trichloroethane	7.87	97	183934	51.950	ug/l	98
36) 1,1-Dichloropropene	8.08	75	147230	54.589	ug/l	98
37) Ethyl Acetate	7.25	43	53579	46.716	ug/l	98
38) Carbon Tetrachloride	8.07	117	166751	57.314	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	198259	54.868	ug/l	97
40) Benzene	8.32	78	417967	55.757	ug/l	99
41) Methacrylonitrile	7.49	41	31723	46.551	ug/l	95
42) 1,2-Dichloroethane	8.40	62	113670	53.054	ug/l	100
43) Isopropyl Acetate	8.42	43	106068	46.292	ug/l	98
44) Trichloroethene	9.09	130	130438	58.611	ug/l	97
45) 1,2-Dichloropropane	9.37	63	96524	54.216	ug/l	96
46) Dibromomethane	9.46	93	55177	52.994	ug/l	93
47) Bromodichloromethane	9.65	83	140275	53.612	ug/l	97
48) Methyl methacrylate	9.43	41	48666	46.427	ug/l	96
49) 1,4-Dioxane	9.45	88	17309	1017.672	ug/l	98
51) 4-Methyl-2-Pentanone	10.21	43	269925	232.485	ug/l	99
52) Toluene	10.39	92	281750	55.966	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	138436	52.242	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	165898	54.818	ug/l	95
55) 1,1,2-Trichloroethane	10.79	97	82612	55.176	ug/l	97
56) Ethyl methacrylate	10.65	69	100371	48.607	ug/l	99
57) 1,3-Dichloropropane	10.93	76	132648	52.891	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	221131	241.773	ug/l	97
59) 2-Hexanone	10.97	43	211494	255.358	ug/l	99
60) Dibromochloromethane	11.13	129	104476	55.135	ug/l	99
61) 1,2-Dibromoethane	11.24	107	80637	53.167	ug/l	99
64) Tetrachloroethene	10.86	164	109905	60.767	ug/l	98
65) Chlorobenzene	11.66	112	313638	56.721	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	114609	57.860	ug/l	99
67) Ethyl Benzene	11.73	91	541975	55.516	ug/l	98
68) m/p-Xylenes	11.84	106	428053	111.787	ug/l	99
69) o-Xylene	12.17	106	203943	56.214	ug/l	97
70) Styrene	12.18	104	345370	56.106	ug/l	99
71) Bromoform	12.35	173	59208	54.280	ug/l	# 99
73) Isopropylbenzene	12.47	105	559855	53.186	ug/l	99
74) N-amyl acetate	12.27	43	102076	42.317	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.72	83	88025	45.975	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	62028m	46.066	ug/l	
77) Bromobenzene	12.75	156	133063	56.487	ug/l	91
78) n-propylbenzene	12.80	91	641485	52.292	ug/l	99
79) 2-Chlorotoluene	12.90	91	364317	51.211	ug/l	97
80) 1,3,5-Trimethylbenzene	12.94	105	470742	52.802	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	27828	43.132	ug/l	99
82) 4-Chlorotoluene	12.99	91	379836	51.440	ug/l	97
83) tert-Butylbenzene	13.21	119	430678	55.304	ug/l	97
84) 1,2,4-Trimethylbenzene	13.26	105	463028	52.147	ug/l	98
85) sec-Butylbenzene	13.38	105	579886	53.210	ug/l	99
86) p-Isopropyltoluene	13.50	119	531076	53.838	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	252990	54.741	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	255070	55.008	ug/l	98
89) n-Butylbenzene	13.83	91	490817	52.311	ug/l	99
90) Hexachloroethane	14.10	117	103019	53.956	ug/l	93
91) 1,2-Dichlorobenzene	13.87	146	230559	54.752	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	15453	43.406	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	164358	57.365	ug/l	99
94) Hexachlorobutadiene	15.24	225	95612	62.466	ug/l	97
95) Naphthalene	15.37	128	295779	49.179	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	141238	57.289	ug/l	99

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

