

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW052819\
 Data File : VW010560.D
 Acq On : 28 May 2019 11:46
 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
 5/29/2019 11:05:27 AM

Quant Time: May 29 07:16:34 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	158390	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	250747	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	220426	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	109487	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	72371	44.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.54%	
35) Dibromofluoromethane	7.88	113	79211	52.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.12%	
50) Toluene-d8	10.32	98	295392	50.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.64%	
62) 4-Bromofluorobenzene	12.62	95	111865	48.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.64%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	65357	46.296	ug/l	98
3) Chloromethane	2.21	50	70360	42.280	ug/l	99
4) Vinyl Chloride	2.36	62	80849	41.942	ug/l	99
5) Bromomethane	2.75	94	54813	41.334	ug/l	97
6) Chloroethane	2.91	64	55100	44.528	ug/l	98
7) Trichlorofluoromethane	3.25	101	141779	49.819	ug/l	97
8) Diethyl Ether	3.68	74	41179	45.646	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	87889	50.147	ug/l	95
10) Methyl Iodide	4.27	142	100170	50.004	ug/l	97
11) Tert butyl alcohol	5.16	59	35875	243.958	ug/l	96
12) 1,1-Dichloroethene	4.03	96	82592	49.367	ug/l	96
13) Acrolein	3.89	56	23287	273.902	ug/l	98
14) Allyl chloride	4.67	41	114558	47.305	ug/l	100
15) Acrylonitrile	5.36	53	82661	218.789	ug/l	98
16) Acetone	4.12	43	87584	262.455	ug/l	99
17) Carbon Disulfide	4.37	76	232741	46.640	ug/l	99
18) Methyl Acetate	4.67	43	33438	40.970	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	197514	46.310	ug/l	99
20) Methylene Chloride	4.92	84	83317	41.710	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	93562	48.756	ug/l	97
22) Diisopropyl ether	6.31	45	228710	46.059	ug/l	99
23) Vinyl Acetate	6.25	43	682179	229.988	ug/l	99
24) 1,1-Dichloroethane	6.21	63	143086	48.287	ug/l	98
25) 2-Butanone	7.17	43	114371	239.485	ug/l	100
26) 2,2-Dichloropropane	7.17	77	145318	51.483	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	102085	48.931	ug/l	99
28) Bromochloromethane	7.51	49	51737	48.765	ug/l	88
29) Tetrahydrofuran	7.52	42	67289	208.222	ug/l	97
30) Chloroform	7.68	83	154257	48.262	ug/l	99
31) Cyclohexane	7.95	56	140033	45.114	ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	151868	49.713	ug/l	98
36) 1,1-Dichloropropene	8.08	75	123735	52.973	ug/l	99
37) Ethyl Acetate	7.25	43	48956	49.286	ug/l	99
38) Carbon Tetrachloride	8.06	117	138893	55.121	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	168641	53.888	ug/l	99
40) Benzene	8.32	78	341663	52.626	ug/l	100
41) Methacrylonitrile	7.48	41	27846	47.181	ug/l	99
42) 1,2-Dichloroethane	8.40	62	94008	50.663	ug/l	99
43) Isopropyl Acetate	8.42	43	94161	47.450	ug/l	99
44) Trichloroethene	9.09	130	108029	56.048	ug/l	95
45) 1,2-Dichloropropane	9.37	63	80097	51.946	ug/l	98
46) Dibromomethane	9.46	93	46236	51.274	ug/l	93
47) Bromodichloromethane	9.65	83	118376	52.239	ug/l	98
48) Methyl methacrylate	9.43	41	45510	50.130	ug/l	93
49) 1,4-Dioxane	9.45	88	13322	904.380	ug/l	96
51) 4-Methyl-2-Pentanone	10.21	43	236976	235.669	ug/l	100
52) Toluene	10.39	92	230108	52.776	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	118012	51.421	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	138653	52.900	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	65866	50.795	ug/l	99
56) Ethyl methacrylate	10.65	69	85970	48.071	ug/l	98
57) 1,3-Dichloropropane	10.93	76	110643	50.939	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	198924	251.126	ug/l	97
59) 2-Hexanone	10.97	43	173798	242.293	ug/l	99
60) Dibromochloromethane	11.13	129	86853	52.923	ug/l	100
61) 1,2-Dibromoethane	11.23	107	66564	50.675	ug/l	99
64) Tetrachloroethene	10.86	164	88280	57.452	ug/l	96
65) Chlorobenzene	11.66	112	252546	53.758	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.73	131	92049	54.698	ug/l	99
67) Ethyl Benzene	11.73	91	440385	53.096	ug/l	100
68) m/p-Xylenes	11.84	106	350424	107.716	ug/l	98
69) o-Xylene	12.16	106	164079	53.233	ug/l	98
70) Styrene	12.18	104	278909	53.331	ug/l	99
71) Bromoform	12.35	173	49723	53.655	ug/l #	100
73) Isopropylbenzene	12.47	105	455103	52.382	ug/l	99
74) N-amyl acetate	12.27	43	90992	45.703	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.72	83	73788	46.693	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	51191m	46.061	ug/l	
77) Bromobenzene	12.75	156	106595	54.826	ug/l	94
78) n-propylbenzene	12.80	91	521197	51.476	ug/l	99
79) 2-Chlorotoluene	12.90	91	297770	50.713	ug/l	97
80) 1,3,5-Trimethylbenzene	12.94	105	379195	51.532	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.51	75	25746	48.348	ug/l	98
82) 4-Chlorotoluene	12.99	91	310044	50.872	ug/l	98
83) tert-Butylbenzene	13.21	119	348047	54.149	ug/l	97
84) 1,2,4-Trimethylbenzene	13.26	105	375585	51.248	ug/l	99
85) sec-Butylbenzene	13.38	105	471220	52.387	ug/l	99
86) p-Isopropyltoluene	13.50	119	429349	52.735	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	203115	53.248	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	204202	53.356	ug/l	99
89) n-Butylbenzene	13.83	91	401414	51.834	ug/l	99
90) Hexachloroethane	14.10	117	84771	53.793	ug/l	93
91) 1,2-Dichlorobenzene	13.87	146	184703	53.143	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	13389	45.566	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	136453	57.702	ug/l	99
94) Hexachlorobutadiene	15.24	225	76298	60.395	ug/l	98
95) Naphthalene	15.37	128	250179	50.399	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	116583	57.294	ug/l	100

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

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