

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW030719\
 Data File : VW009051.D
 Acq On : 07 Mar 2019 20:50
 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
 3/8/2019 12:06:14 PM

Quant Time: Mar 08 06:49:46 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W030719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 08 05:22:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	261170	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	379143	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	379841	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	213281	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	142400	54.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.38%	
35) Dibromofluoromethane	7.88	113	119531	52.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.72%	
50) Toluene-d8	10.32	98	507682	54.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.30%	
62) 4-Bromofluorobenzene	12.62	95	197003	53.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.76%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	110629	42.031	ug/l	98
3) Chloromethane	2.21	50	156562	46.823	ug/l	98
4) Vinyl Chloride	2.35	62	156586	46.146	ug/l	95
5) Bromomethane	2.76	94	138253	48.267	ug/l	96
6) Chloroethane	2.91	64	112789	46.690	ug/l	98
7) Trichlorofluoromethane	3.26	101	193638	44.320	ug/l	100
8) Diethyl Ether	3.68	74	67268	50.354	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	4.06	101	119645	43.969	ug/l	97
10) Methyl Iodide	4.27	142	133796	45.627	ug/l	99
11) Tert butyl alcohol	5.18	59	52555	261.006	ug/l	98
12) 1,1-Dichloroethene	4.04	96	106613	45.421	ug/l	95
13) Acrolein	3.89	56	54313	245.124	ug/l	99
14) Allyl chloride	4.67	41	194108	46.882	ug/l	99
15) Acrylonitrile	5.37	53	158250	271.414	ug/l	99
16) Acetone	4.13	43	150854	254.415	ug/l	90
17) Carbon Disulfide	4.38	76	367850	46.579	ug/l	100
18) Methyl Acetate	4.67	43	71037	52.099	ug/l	97
19) Methyl tert-butyl Ether	5.43	73	317712	51.168	ug/l	97
20) Methylene Chloride	4.91	84	141863	50.964	ug/l	94
21) trans-1,2-Dichloroethene	5.42	96	125985	46.485	ug/l	98
22) Diisopropyl ether	6.31	45	411292	49.987	ug/l	98
23) Vinyl Acetate	6.26	43	1300277	253.949	ug/l	100
24) 1,1-Dichloroethane	6.21	63	224548	47.051	ug/l	98
25) 2-Butanone	7.17	43	215233	262.651	ug/l	99
26) 2,2-Dichloropropane	7.17	77	189343	43.647	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	138848	47.701	ug/l	99
28) Bromochloromethane	7.51	49	104494	52.640	ug/l	98
29) Tetrahydrofuran	7.53	42	138269	267.753	ug/l	99
30) Chloroform	7.68	83	235852	48.001	ug/l	96
31) Cyclohexane	7.95	56	207881	42.422	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	207250	45.706	ug/l	99
36) 1,1-Dichloropropene	8.08	75	181371	45.750	ug/l	98
37) Ethyl Acetate	7.25	43	94891	50.959	ug/l	99
38) Carbon Tetrachloride	8.07	117	184655	45.102	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	222151	47.047	ug/l	97
40) Benzene	8.32	78	502640	47.496	ug/l	99
41) Methacrylonitrile	7.48	41	53731	51.961	ug/l	92
42) 1,2-Dichloroethane	8.40	62	164322	48.096	ug/l	100
43) Isopropyl Acetate	8.43	43	183764	52.986	ug/l	98
44) Trichloroethene	9.09	130	136370	45.976	ug/l	96
45) 1,2-Dichloropropane	9.37	63	127893	48.252	ug/l	98
46) Dibromomethane	9.46	93	70784	48.899	ug/l	97
47) Bromodichloromethane	9.64	83	175269	47.832	ug/l	95
48) Methyl methacrylate	9.43	41	85615	53.016	ug/l	93
49) 1,4-Dioxane	9.46	88	22220	1071.951	ug/l	98
51) 4-Methyl-2-Pentanone	10.21	43	491576	279.199	ug/l	100
52) Toluene	10.39	92	352860	49.165	ug/l	97
53) t-1,3-Dichloropropene	10.60	75	179528	49.537	ug/l	94
54) cis-1,3-Dichloropropene	10.07	75	202742	48.681	ug/l	95
55) 1,1,2-Trichloroethane	10.79	97	99061	50.490	ug/l	96
56) Ethyl methacrylate	10.65	69	136666	56.126	ug/l	98
57) 1,3-Dichloropropane	10.93	76	172622	49.666	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.92	63	335329	265.646	ug/l	99
59) 2-Hexanone	10.97	43	356321	287.844	ug/l	99
60) Dibromochloromethane	11.13	129	122172	50.317	ug/l	97
61) 1,2-Dibromoethane	11.24	107	96190	50.011	ug/l	98
64) Tetrachloroethene	10.86	164	133670	48.798	ug/l	96
65) Chlorobenzene	11.66	112	395321	47.815	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	129407	46.877	ug/l	99
67) Ethyl Benzene	11.73	91	709025	47.471	ug/l	99
68) m/p-Xylenes	11.84	106	571220	96.891	ug/l	98
69) o-Xylene	12.16	106	267476	48.761	ug/l	98
70) Styrene	12.18	104	439514	49.522	ug/l	100
71) Bromoform	12.35	173	74673	50.378	ug/l #	100
73) Isopropylbenzene	12.46	105	728553	47.701	ug/l	100
74) N-amyl acetate	12.27	43	199893	55.285	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.72	83	122483	50.839	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	88841m	52.722	ug/l	
77) Bromobenzene	12.75	156	170920	48.977	ug/l	98
78) n-propylbenzene	12.80	91	901752	47.933	ug/l	99
79) 2-Chlorotoluene	12.89	91	515465	48.767	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	632619	48.052	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	37769	50.133	ug/l	98
82) 4-Chlorotoluene	12.99	91	540862	48.003	ug/l	98
83) tert-Butylbenzene	13.21	119	537357	48.395	ug/l	100
84) 1,2,4-Trimethylbenzene	13.26	105	648540	48.697	ug/l	99
85) sec-Butylbenzene	13.38	105	798569	48.542	ug/l	100
86) p-Isopropyltoluene	13.50	119	708466	48.140	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	354723	48.367	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	349728	48.253	ug/l	100
89) n-Butylbenzene	13.83	91	673645	48.150	ug/l	99
90) Hexachloroethane	14.10	117	124099	48.893	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	320744	49.569	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	23180	54.020	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	219483	50.225	ug/l	100
94) Hexachlorobutadiene	15.24	225	130976	47.851	ug/l	100
95) Naphthalene	15.37	128	396793	55.470	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	193417	50.335	ug/l	100

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

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