

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW011719\
 Data File : VW008346.D
 Acq On : 17 Jan 2019 23:19
 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
 1/18/2019 2:10:22 PM

Quant Time: Jan 18 02:06:32 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W011719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 18 00:57:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	83903	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	146754	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	143589	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	73729	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	50928	58.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	116.70%	
35) Dibromofluoromethane	7.88	113	49166	52.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.96%	
50) Toluene-d8	10.32	98	196395	53.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.74%	
62) 4-Bromofluorobenzene	12.62	95	72188	54.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.38%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	25560	48.347	ug/l	93
3) Chloromethane	2.21	50	43178	55.715	ug/l	95
4) Vinyl Chloride	2.37	62	57506	58.075	ug/l	92
5) Bromomethane	2.78	94	45355	60.440	ug/l	96
6) Chloroethane	2.93	64	40818	62.978	ug/l	93
7) Trichlorofluoromethane	3.25	101	41096	56.524	ug/l	99
8) Diethyl Ether	3.67	74	29995	59.494	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.04	101	43473	51.358	ug/l	94
10) Methyl Iodide	4.26	142	67863	49.710	ug/l	96
11) Tert butyl alcohol	5.17	59	15939	271.234	ug/l	95
12) 1,1-Dichloroethene	4.03	96	44516	51.708	ug/l	96
13) Acrolein	3.89	56	16746	274.394	ug/l	92
14) Allyl chloride	4.67	41	79384	55.157	ug/l	99
15) Acrylonitrile	5.36	53	61721	318.694	ug/l	99
16) Acetone	4.12	43	51886	255.984	ug/l	99
17) Carbon Disulfide	4.37	76	144177	55.037	ug/l	98
18) Methyl Acetate	4.67	43	31111	57.460	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	78357	59.457	ug/l #	91
20) Methylene Chloride	4.90	84	54442	58.490	ug/l #	96
21) trans-1,2-Dichloroethene	5.42	96	55297	57.188	ug/l	96
22) Diisopropyl ether	6.31	45	173111	61.608	ug/l	99
23) Vinyl Acetate	6.25	43	492552	327.930	ug/l	99
24) 1,1-Dichloroethane	6.21	63	99455	58.131	ug/l	98
25) 2-Butanone	7.17	43	82676	318.464	ug/l	99
26) 2,2-Dichloropropane	7.17	77	54097	49.548	ug/l	98
27) cis-1,2-Dichloroethene	7.17	96	61367	58.578	ug/l	98
28) Bromochloromethane	7.51	49	44836	63.609	ug/l #	98
29) Tetrahydrofuran	7.53	42	54512	336.817	ug/l	100
30) Chloroform	7.67	83	100407	59.316	ug/l	97
31) Cyclohexane	7.95	56	88160	54.083	ug/l	95
32) 1,1,1-Trichloroethane	7.87	97	78974	55.590	ug/l	98
36) 1,1-Dichloropropene	8.07	75	79523	53.860	ug/l	99
37) Ethyl Acetate	7.25	43	36423	59.821	ug/l	99
38) Carbon Tetrachloride	8.06	117	73770	50.598	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	93781	53.398	ug/l	97
40) Benzene	8.32	78	232545	55.601	ug/l	100
41) Methacrylonitrile	7.48	41	21566	60.845	ug/l	97
42) 1,2-Dichloroethane	8.40	62	66223	56.625	ug/l	99
43) Isopropyl Acetate	8.43	43	69756	60.652	ug/l	100
44) Trichloroethene	9.09	130	59493	51.920	ug/l	97
45) 1,2-Dichloropropane	9.37	63	58237	56.057	ug/l	99
46) Dibromomethane	9.46	93	30524	56.373	ug/l	95
47) Bromodichloromethane	9.64	83	76997	57.650	ug/l	98
48) Methyl methacrylate	9.44	41	33509	61.891	ug/l	96
49) 1,4-Dioxane	9.45	88	10127	1161.823	ug/l	95
51) 4-Methyl-2-Pentanone	10.21	43	188195	323.160	ug/l	99
52) Toluene	10.39	92	150807	56.978	ug/l	97
53) t-1,3-Dichloropropene	10.60	75	76156	57.130	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	89083	56.690	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	44249	58.919	ug/l	95
56) Ethyl methacrylate	10.65	69	55551	62.983	ug/l	100
57) 1,3-Dichloropropane	10.93	76	77219	59.218	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	127977	300.815	ug/l	99
59) 2-Hexanone	10.97	43	132748	325.333	ug/l	96
60) Dibromochloromethane	11.13	129	51880	57.882	ug/l	100
61) 1,2-Dibromoethane	11.23	107	42580	58.551	ug/l	98
64) Tetrachloroethene	10.86	164	52592	52.236	ug/l	97
65) Chlorobenzene	11.66	112	168787	53.891	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	56969	52.849	ug/l	98
67) Ethyl Benzene	11.73	91	292884	53.857	ug/l	100
68) m/p-Xylenes	11.84	106	230004	108.965	ug/l	99
69) o-Xylene	12.17	106	109845	55.701	ug/l	100
70) Styrene	12.18	104	181361	57.255	ug/l	99
71) Bromoform	12.35	173	29957	55.787	ug/l #	99
73) Isopropylbenzene	12.47	105	287612	53.538	ug/l	99
74) N-amyl acetate	12.27	43	68572	59.563	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.72	83	51890	56.788	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	36882m	54.932	ug/l	
77) Bromobenzene	12.75	156	68640	53.194	ug/l	96
78) n-propylbenzene	12.80	91	347139	53.387	ug/l	98
79) 2-Chlorotoluene	12.90	91	199689	53.750	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	246143	54.907	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.51	75	15048	53.485	ug/l	95
82) 4-Chlorotoluene	12.99	91	208441	53.691	ug/l	99
83) tert-Butylbenzene	13.21	119	215675	54.662	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	250148	54.777	ug/l	99
85) sec-Butylbenzene	13.38	105	292298	51.597	ug/l	98
86) p-Isopropyltoluene	13.50	119	262407	53.035	ug/l	99
87) 1,3-Dichlorobenzene	13.51	146	133108	51.918	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	137248	53.433	ug/l	100
89) n-Butylbenzene	13.83	91	254888	53.705	ug/l	99
90) Hexachloroethane	14.10	117	48400	52.858	ug/l	90
91) 1,2-Dichlorobenzene	13.88	146	121585	53.713	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.49	75	8604	57.585	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	79506	51.886	ug/l	99
94) Hexachlorobutadiene	15.24	225	40731	47.165	ug/l	96
95) Naphthalene	15.38	128	157412	55.360	ug/l	99
96) 1,2,3-Trichlorobenzene	15.57	180	69527	52.092	ug/l	99

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

