

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW010919\
 Data File : VW008119.D
 Acq On : 09 Jan 2019 23:40
 Operator : SY/AP
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 1/10/2019 5:06:04 PM

Quant Time: Jan 10 06:23:39 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W010819S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 09 04:40:48 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	80916	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	141352	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	129893	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	61928	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	43976	48.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.72%	
35) Dibromofluoromethane	7.88	113	41345	50.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.30%	
50) Toluene-d8	10.32	98	163948	47.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.78%	
62) 4-Bromofluorobenzene	12.62	95	55931	45.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.20%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	29959	45.366	ug/l	96
3) Chloromethane	2.21	50	38831	45.324	ug/l	99
4) Vinyl Chloride	2.37	62	50128	44.830	ug/l	95
5) Bromomethane	2.79	94	37476	44.740	ug/l	98
6) Chloroethane	2.93	64	33886	40.273	ug/l	96
7) Trichlorofluoromethane	3.26	101	38542	42.398	ug/l	97
8) Diethyl Ether	3.68	74	25408	49.441	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.06	101	39956	44.270	ug/l	96
10) Methyl Iodide	4.26	142	63822	48.519	ug/l	99
11) Tert butyl alcohol	5.23	59	14958	270.709	ug/l #	100
12) 1,1-Dichloroethene	4.04	96	40724	45.958	ug/l	91
13) Acrolein	3.90	56	19108	315.992	ug/l	97
14) Allyl chloride	4.67	41	76757	47.709	ug/l	99
15) Acrylonitrile	5.37	53	53535	273.620	ug/l	99
16) Acetone	4.14	43	40474	247.372	ug/l	95
17) Carbon Disulfide	4.37	76	129152	46.657	ug/l	100
18) Methyl Acetate	4.68	43	34666	60.311	ug/l	97
19) Methyl tert-butyl Ether	5.42	73	73800	51.229	ug/l	95
20) Methylene Chloride	4.91	84	46030	51.558	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	44846	46.571	ug/l	97
22) Diisopropyl ether	6.31	45	155934	50.820	ug/l	99
23) Vinyl Acetate	6.26	43	425123	263.808	ug/l	100
24) 1,1-Dichloroethane	6.21	63	84658	47.353	ug/l	99
25) 2-Butanone	7.18	43	66049	261.031	ug/l	99
26) 2,2-Dichloropropane	7.17	77	51416	42.445	ug/l	97
27) cis-1,2-Dichloroethene	7.17	96	50158	47.741	ug/l	97
28) Bromochloromethane	7.51	49	35156	49.716	ug/l	98
29) Tetrahydrofuran	7.53	42	45660	270.144	ug/l	100
30) Chloroform	7.68	83	82172	48.288	ug/l	96
31) Cyclohexane	7.95	56	81355	42.508	ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	67789	45.782	ug/l	100
36) 1,1-Dichloropropene	8.08	75	64247	44.124	ug/l	98
37) Ethyl Acetate	7.25	43	30987	53.120	ug/l	97
38) Carbon Tetrachloride	8.07	117	60609	45.478	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	81959	44.392	ug/l	96
40) Benzene	8.32	78	189275	47.926	ug/l	98
41) Methacrylonitrile	7.48	41	19753	53.604	ug/l	92
42) 1,2-Dichloroethane	8.40	62	54520	49.084	ug/l	99
43) Isopropyl Acetate	8.43	43	62814	53.856	ug/l	97
44) Trichloroethene	9.09	130	48160	47.638	ug/l	100
45) 1,2-Dichloropropane	9.37	63	49556	50.606	ug/l	96
46) Dibromomethane	9.46	93	24552	51.053	ug/l	97
47) Bromodichloromethane	9.64	83	60549	49.584	ug/l	100
48) Methyl methacrylate	9.44	41	29905	54.339	ug/l	95
49) 1,4-Dioxane	9.47	88	7591	981.512	ug/l #	97
51) 4-Methyl-2-Pentanone	10.21	43	157515	279.001	ug/l	98
52) Toluene	10.39	92	119999	47.578	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	63186	49.745	ug/l	96
54) cis-1,3-Dichloropropene	10.07	75	74900	49.727	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	35464	52.523	ug/l	98
56) Ethyl methacrylate	10.65	69	45927	54.925	ug/l	99
57) 1,3-Dichloropropane	10.93	76	63274	51.240	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	110858	256.658	ug/l	98
59) 2-Hexanone	10.97	43	105172	275.472	ug/l	98
60) Dibromochloromethane	11.13	129	39729	53.583	ug/l	98
61) 1,2-Dibromoethane	11.24	107	33732	52.651	ug/l	97
64) Tetrachloroethene	10.86	164	40139	47.483	ug/l	94
65) Chlorobenzene	11.66	112	128834	46.817	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	43770	48.902	ug/l	98
67) Ethyl Benzene	11.73	91	228094	45.300	ug/l	96
68) m/p-Xylenes	11.84	106	176567	91.872	ug/l	97
69) o-Xylene	12.17	106	82566	46.392	ug/l	99
70) Styrene	12.18	104	136072	48.813	ug/l	98
71) Bromoform	12.35	173	22119	55.217	ug/l #	98
73) Isopropylbenzene	12.47	105	220164	45.283	ug/l	100
74) N-amyl acetate	12.27	43	58357	54.200	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.72	83	40726	52.332	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	30285m	53.645	ug/l	
77) Bromobenzene	12.75	156	50605	49.259	ug/l	94
78) n-propylbenzene	12.81	91	268622	45.092	ug/l	99
79) 2-Chlorotoluene	12.90	91	150196	45.191	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	184674	46.222	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	12185	50.262	ug/l	97
82) 4-Chlorotoluene	12.99	91	159310	45.512	ug/l	100
83) tert-Butylbenzene	13.21	119	161497	45.690	ug/l	96
84) 1,2,4-Trimethylbenzene	13.26	105	187520	45.507	ug/l	99
85) sec-Butylbenzene	13.39	105	231218	44.656	ug/l	99
86) p-Isopropyltoluene	13.51	119	201444	45.054	ug/l	99
87) 1,3-Dichlorobenzene	13.51	146	98860	47.439	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	98112	46.925	ug/l	99
89) n-Butylbenzene	13.83	91	193926	44.284	ug/l	100
90) Hexachloroethane	14.10	117	35997	47.665	ug/l	93
91) 1,2-Dichlorobenzene	13.88	146	89455	48.843	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	6773	54.080	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	59160	48.653	ug/l	97
94) Hexachlorobutadiene	15.24	225	31988	49.150	ug/l	100
95) Naphthalene	15.37	128	117313	51.670	ug/l	100
96) 1,2,3-Trichlorobenzene	15.57	180	52020	50.185	ug/l	98

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

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