

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW012919\
 Data File : VW008442.D
 Acq On : 29 Jan 2019 10:21
 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
 1/30/2019 9:39:36 AM

Quant Time: Jan 30 01:07:42 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W012419S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 25 11:07:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	429092	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	639424	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	555780	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	276061	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	216748	51.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.84%	
35) Dibromofluoromethane	7.88	113	223385	59.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	119.50%	
50) Toluene-d8	10.32	98	883151	58.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	117.80%	
62) 4-Bromofluorobenzene	12.62	95	317212	55.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.08%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	129373	52.032	ug/l	98
3) Chloromethane	2.21	50	155782	44.477	ug/l	99
4) Vinyl Chloride	2.37	62	238750	53.547	ug/l	100
5) Bromomethane	2.78	94	165220	57.450	ug/l	97
6) Chloroethane	2.93	64	160975	59.034	ug/l	100
7) Trichlorofluoromethane	3.26	101	194743	50.196	ug/l	97
8) Diethyl Ether	3.68	74	106546	49.791	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	4.06	101	224379	57.816	ug/l	96
10) Methyl Iodide	4.26	142	360996	58.890	ug/l	99
11) Tert butyl alcohol	5.17	59	72603	213.922	ug/l	97
12) 1,1-Dichloroethene	4.03	96	220633	56.175	ug/l	96
13) Acrolein	3.89	56	66792	223.508	ug/l	99
14) Allyl chloride	4.67	41	376118	50.431	ug/l	98
15) Acrylonitrile	5.36	53	214387	232.017	ug/l	100
16) Acetone	4.12	43	264404	279.309	ug/l	95
17) Carbon Disulfide	4.37	76	655487	52.255	ug/l	99
18) Methyl Acetate	4.67	43	114454	45.331	ug/l	95
19) Methyl tert-butyl Ether	5.42	73	324344	49.912	ug/l	98
20) Methylene Chloride	4.91	84	218970	50.187	ug/l	94
21) trans-1,2-Dichloroethene	5.42	96	237854	53.867	ug/l	92
22) Diisopropyl ether	6.31	45	678515	48.003	ug/l	97
23) Vinyl Acetate	6.25	43	1909310	228.762	ug/l	98
24) 1,1-Dichloroethane	6.21	63	412848	51.600	ug/l	99
25) 2-Butanone	7.17	43	316429	240.656	ug/l	98
26) 2,2-Dichloropropane	7.17	77	292577	54.100	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	259431	53.911	ug/l	95
28) Bromochloromethane	7.51	49	157734	42.923	ug/l	95
29) Tetrahydrofuran	7.52	42	181933	218.347	ug/l	96
30) Chloroform	7.67	83	408691	51.933	ug/l	94
31) Cyclohexane	7.95	56	387882	46.885	ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	372448	54.794	ug/l	99
36) 1,1-Dichloropropene	8.08	75	340801	56.423	ug/l	98
37) Ethyl Acetate	7.25	43	127414	47.680	ug/l	97
38) Carbon Tetrachloride	8.07	117	360705	59.345	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	435340	54.865	ug/l	98
40) Benzene	8.32	78	918818	54.821	ug/l	100
41) Methacrylonitrile	7.48	41	78438	49.572	ug/l	98
42) 1,2-Dichloroethane	8.40	62	253149	52.119	ug/l	98
43) Isopropyl Acetate	8.43	43	261837	47.163	ug/l	97
44) Trichloroethene	9.09	130	263935	57.909	ug/l	99
45) 1,2-Dichloropropane	9.37	63	220807	52.837	ug/l	98
46) Dibromomethane	9.46	93	111733	51.983	ug/l	96
47) Bromodichloromethane	9.64	83	306735	53.953	ug/l	99
48) Methyl methacrylate	9.43	41	132589	48.843	ug/l	96
49) 1,4-Dioxane	9.45	88	39686	1092.320	ug/l	98
51) 4-Methyl-2-Pentanone	10.21	43	636129	231.931	ug/l	99
52) Toluene	10.39	92	598267	54.074	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	314357	51.964	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	364562	53.102	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	156624	52.534	ug/l	97
56) Ethyl methacrylate	10.65	69	199663	47.794	ug/l	98
57) 1,3-Dichloropropane	10.93	76	274792	51.448	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	487573	240.213	ug/l	97
59) 2-Hexanone	10.97	43	495554	255.932	ug/l	99
60) Dibromochloromethane	11.13	129	201865	52.688	ug/l	100
61) 1,2-Dibromoethane	11.24	107	154754	52.350	ug/l	100
64) Tetrachloroethene	10.86	164	221128	58.764	ug/l	95
65) Chlorobenzene	11.66	112	652387	57.502	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	231481	57.026	ug/l	99
67) Ethyl Benzene	11.73	91	1185483	56.845	ug/l	99
68) m/p-Xylenes	11.84	106	915548	113.149	ug/l	97
69) o-Xylene	12.17	106	430291	55.968	ug/l	97
70) Styrene	12.18	104	693515	54.610	ug/l	98
71) Bromoform	12.35	173	119896	52.497	ug/l #	99
73) Isopropylbenzene	12.47	105	1206653	58.630	ug/l	99
74) N-amyl acetate	12.27	43	259315	48.909	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.72	83	172579	52.965	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	125303m	52.206	ug/l	
77) Bromobenzene	12.75	156	263744	58.679	ug/l	93
78) n-propylbenzene	12.80	91	1439710	58.243	ug/l	99
79) 2-Chlorotoluene	12.90	91	795860	57.056	ug/l	98
80) 1,3,5-Trimethylbenzene	12.94	105	1003326	58.326	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	63564	52.307	ug/l	99
82) 4-Chlorotoluene	12.99	91	833117	56.098	ug/l	98
83) tert-Butylbenzene	13.21	119	908323	59.337	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	1016447	58.134	ug/l	100
85) sec-Butylbenzene	13.39	105	1287434	58.890	ug/l	100
86) p-Isopropyltoluene	13.50	119	1135985	59.321	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	530747	58.469	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	520211	57.666	ug/l	98
89) n-Butylbenzene	13.83	91	1086585	57.790	ug/l	99
90) Hexachloroethane	14.10	117	221911	59.256	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	454501	56.587	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	30253	48.934	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	331556	57.847	ug/l	99
94) Hexachlorobutadiene	15.24	225	209907	60.768	ug/l	99
95) Naphthalene	15.37	128	546552	54.308	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	277452	57.065	ug/l	99

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

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