

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW021319\
 Data File : VW008639.D
 Acq On : 13 Feb 2019 14:45
 Operator : SY/VA
 Sample : VSTDIC010
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

Manual Integrations
 APPROVED

MMDadoda
 2/14/2019 2:08:49 PM

Quant Time: Feb 14 03:57:21 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W021319S.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 14 03:43:11 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	437331	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	653788	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	588131	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	302728	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	40479	8.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	17.80%	
35) Dibromofluoromethane	7.88	113	38248	9.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	18.84%	
50) Toluene-d8	10.32	98	143899	9.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	18.40%	
62) 4-Bromofluorobenzene	12.62	95	53804	9.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	18.26%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	2.01	85	28453	10.158	ug/l	90
3) Chloromethane	2.21	50	38176	9.454	ug/l	97
4) Vinyl Chloride	2.36	62	52704	9.936	ug/l	96
5) Bromomethane	2.78	94	40097	9.553	ug/l	97
6) Chloroethane	2.92	64	39090	9.904	ug/l	98
7) Trichlorofluoromethane	3.26	101	38389	9.293	ug/l	90
8) Diethyl Ether	3.67	74	24888	10.095	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.06	101	44026	10.084	ug/l	97
10) Methyl Iodide	4.26	142	68825	10.101	ug/l	99
11) Tert butyl alcohol	5.17	59	18015	50.475	ug/l #	72
12) 1,1-Dichloroethene	4.03	96	43083	10.091	ug/l	95
13) Acrolein	3.89	56	19116	51.004	ug/l	91
14) Allyl chloride	4.66	41	71053	10.017	ug/l	99
15) Acrylonitrile	5.36	53	50575	48.740	ug/l	97
16) Acetone	4.12	43	50850	49.318	ug/l	95
17) Carbon Disulfide	4.37	76	130374	10.119	ug/l	99
18) Methyl Acetate	4.67	43	22491	9.513	ug/l	98
19) Methyl tert-butyl Ether	5.42	73	74759	9.975	ug/l	99
20) Methylene Chloride	4.90	84	72487	12.243	ug/l	90
21) trans-1,2-Dichloroethene	5.42	96	47103	10.074	ug/l	91
22) Diisopropyl ether	6.31	45	139705	9.785	ug/l	97
23) Vinyl Acetate	6.25	43	434419	46.883	ug/l	97
24) 1,1-Dichloroethane	6.21	63	82338	9.995	ug/l	96
25) 2-Butanone	7.17	43	68284	46.740	ug/l	93
26) 2,2-Dichloropropane	7.16	77	53585	10.412	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	51845	10.254	ug/l	98
28) Bromochloromethane	7.51	49	31907	9.175	ug/l	96
29) Tetrahydrofuran	7.53	42	45176	46.915	ug/l	98
30) Chloroform	7.67	83	82942	10.048	ug/l	93
31) Cyclohexane	7.95	56	87420	10.513	ug/l #	93
32) 1,1,1-Trichloroethane	7.87	97	69435	9.960	ug/l	98
36) 1,1-Dichloropropene	8.08	75	67363	10.256	ug/l	100
37) Ethyl Acetate	7.25	43	28918	9.127	ug/l #	94
38) Carbon Tetrachloride	8.06	117	66879	10.239	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	86343	10.393	ug/l	97
40) Benzene	8.32	78	183879	10.250	ug/l	99
41) Methacrylonitrile	7.48	41	17878	10.028	ug/l #	90
42) 1,2-Dichloroethane	8.40	62	56352	10.127	ug/l	97
43) Isopropyl Acetate	8.42	43	58885	9.320	ug/l	95
44) Trichloroethene	9.09	130	51103	10.274	ug/l	95
45) 1,2-Dichloropropane	9.37	63	45534	10.256	ug/l	94
46) Dibromomethane	9.46	93	24795	10.139	ug/l	99
47) Bromodichloromethane	9.64	83	57262	9.743	ug/l	97
48) Methyl methacrylate	9.44	41	26576	9.076	ug/l	92
49) 1,4-Dioxane	9.45	88	7702	197.296	ug/l	93
51) 4-Methyl-2-Pentanone	10.21	43	154889	47.724	ug/l	99
52) Toluene	10.38	92	114873	9.926	ug/l	97
53) t-1,3-Dichloropropene	10.60	75	59147	9.579	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	67735	9.677	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	33459	9.971	ug/l	96
56) Ethyl methacrylate	10.65	69	41381	9.287	ug/l	98
57) 1,3-Dichloropropane	10.93	76	59864	10.055	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.92	63	87598	40.981	ug/l	100
59) 2-Hexanone	10.97	43	105977	46.482	ug/l	98
60) Dibromochloromethane	11.13	129	38417	9.568	ug/l	99
61) 1,2-Dibromoethane	11.23	107	32168	9.736	ug/l	96
64) Tetrachloroethene	10.86	164	46242	10.573	ug/l	96
65) Chlorobenzene	11.66	112	128842	10.164	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	45078	10.038	ug/l	99
67) Ethyl Benzene	11.73	91	224225	9.930	ug/l	98
68) m/p-Xylenes	11.84	106	176567	20.097	ug/l	97
69) o-Xylene	12.16	106	82348	9.916	ug/l	99
70) Styrene	12.18	104	127441	9.395	ug/l	99
71) Bromoform	12.35	173	22185	9.169	ug/l #	96
73) Isopropylbenzene	12.46	105	228649	10.140	ug/l	97
74) N-amyl acetate	12.27	43	56897	9.331	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.72	83	38010	9.688	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	27154m	7.515	ug/l	
77) Bromobenzene	12.75	156	53066	10.238	ug/l	96
78) n-propylbenzene	12.80	91	274578	10.248	ug/l	100
79) 2-Chlorotoluene	12.90	91	154063	10.174	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	190870	10.191	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.52	75	11268	9.214	ug/l	96
82) 4-Chlorotoluene	12.99	91	159321	9.928	ug/l	97
83) tert-Butylbenzene	13.21	119	168122	10.337	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	194689	10.113	ug/l	99
85) sec-Butylbenzene	13.38	105	240117	10.140	ug/l	100
86) p-Isopropyltoluene	13.50	119	209890	9.908	ug/l	98
87) 1,3-Dichlorobenzene	13.50	146	107340	10.215	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	107354	10.366	ug/l	98
89) n-Butylbenzene	13.83	91	200774	9.973	ug/l	99
90) Hexachloroethane	14.10	117	36635	9.898	ug/l	95
91) 1,2-Dichlorobenzene	13.87	146	95479	10.256	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	6614	9.701	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	69900	10.548	ug/l	99
94) Hexachlorobutadiene	15.24	225	40056	10.384	ug/l	97
95) Naphthalene	15.37	128	119530	10.065	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	58605	10.305	ug/l	99

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

