

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW010919\
 Data File : VW008097.D
 Acq On : 09 Jan 2019 12:37
 Operator : SY/AP
 Sample : VW0109SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0109SBS01

Manual Integrations
 APPROVED

MMDadoda
 1/10/2019 4:51:19 PM

Quant Time: Jan 10 06:13:31 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	92671	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	154293	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	136305	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	67368	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	46171	44.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.66%	
35) Dibromofluoromethane	7.88	113	43529	48.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.74%	
50) Toluene-d8	10.32	98	184754	48.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.84%	
62) 4-Bromofluorobenzene	12.62	95	62626	46.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.52%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	14256	18.849	ug/l	93
3) Chloromethane	2.21	50	18938	19.301	ug/l	98
4) Vinyl Chloride	2.37	62	26179	20.442	ug/l	95
5) Bromomethane	2.79	94	21216	22.116	ug/l	99
6) Chloroethane	2.93	64	17411	18.068	ug/l	100
7) Trichlorofluoromethane	3.26	101	18996	18.246	ug/l	93
8) Diethyl Ether	3.68	74	11736	19.940	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.07	101	21608	20.904	ug/l	98
10) Methyl Iodide	4.26	142	31355	20.813	ug/l	99
11) Tert butyl alcohol	5.21	59	6687	87.075	ug/l #	100
12) 1,1-Dichloroethene	4.03	96	21204	20.894	ug/l	96
13) Acrolein	3.90	56	5686	80.989	ug/l	98
14) Allyl chloride	4.67	41	38995	21.163	ug/l	99
15) Acrylonitrile	5.37	53	22989	102.594	ug/l	100
16) Acetone	4.14	43	22766	109.736	ug/l	92
17) Carbon Disulfide	4.37	76	63045	19.886	ug/l	100
18) Methyl Acetate	4.68	43	12612	19.159	ug/l	100
19) Methyl tert-butyl Ether	5.43	73	33040	20.026	ug/l	100
20) Methylene Chloride	4.92	84	24159	20.746	ug/l	91
21) trans-1,2-Dichloroethene	5.42	96	22619	20.509	ug/l	90
22) Diisopropyl ether	6.31	45	72109	20.520	ug/l	97
23) Vinyl Acetate	6.26	43	194123	105.182	ug/l	99
24) 1,1-Dichloroethane	6.21	63	41082	20.064	ug/l	98
25) 2-Butanone	7.18	43	31406	108.375	ug/l	98
26) 2,2-Dichloropropane	7.17	77	26847	19.351	ug/l	98
27) cis-1,2-Dichloroethene	7.17	96	24232	20.139	ug/l	97
28) Bromochloromethane	7.51	49	14939	18.446	ug/l	98
29) Tetrahydrofuran	7.54	42	19243	99.408	ug/l	99
30) Chloroform	7.68	83	39430	20.232	ug/l	96
31) Cyclohexane	7.96	56	41601	18.979	ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	32839	19.365	ug/l	99
36) 1,1-Dichloropropene	8.08	75	33096	20.823	ug/l	99
37) Ethyl Acetate	7.26	43	14249	22.378	ug/l	98
38) Carbon Tetrachloride	8.07	117	29850	20.519	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	40648	20.170	ug/l	96
40) Benzene	8.32	78	90913	21.089	ug/l	97
41) Methacrylonitrile	7.49	41	8117	20.180	ug/l	98
42) 1,2-Dichloroethane	8.40	62	24615	20.302	ug/l	100
43) Isopropyl Acetate	8.43	43	27496	21.597	ug/l	98
44) Trichloroethene	9.09	130	23167	20.994	ug/l	97
45) 1,2-Dichloropropane	9.37	63	23515	21.999	ug/l	97
46) Dibromomethane	9.46	93	10786	20.547	ug/l	96
47) Bromodichloromethane	9.65	83	26686	20.021	ug/l	95
48) Methyl methacrylate	9.44	41	12960	21.574	ug/l	100
49) 1,4-Dioxane	9.46	88	3318	393.033	ug/l #	98
51) 4-Methyl-2-Pentanone	10.21	43	64899	105.312	ug/l	98
52) Toluene	10.39	92	57147	20.758	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	28376	20.466	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	34331	20.881	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	15538	21.082	ug/l	97
56) Ethyl methacrylate	10.65	69	19370	21.222	ug/l	99
57) 1,3-Dichloropropane	10.93	76	28136	20.874	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	48756	103.412	ug/l	99
59) 2-Hexanone	10.97	43	45936	110.227	ug/l	97
60) Dibromochloromethane	11.13	129	16894	20.874	ug/l	97
61) 1,2-Dibromoethane	11.24	107	14409	20.604	ug/l	100
64) Tetrachloroethene	10.86	164	19225	21.673	ug/l	94
65) Chlorobenzene	11.66	112	60484	20.945	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	19609	20.877	ug/l	99
67) Ethyl Benzene	11.73	91	109433	20.711	ug/l	100
68) m/p-Xylenes	11.84	106	84714	42.005	ug/l	98
69) o-Xylene	12.17	106	39473	21.136	ug/l	97
70) Styrene	12.18	104	61639	21.071	ug/l	99
71) Bromoform	12.35	173	9092	21.629	ug/l #	94
73) Isopropylbenzene	12.47	105	108456	20.506	ug/l	99
74) N-amyl acetate	12.27	43	24805	21.178	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	17624	20.818	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	13174m	21.451	ug/l	
77) Bromobenzene	12.75	156	23193	20.753	ug/l	95
78) n-propylbenzene	12.81	91	131987	20.367	ug/l	99
79) 2-Chlorotoluene	12.90	91	72443	20.037	ug/l	97
80) 1,3,5-Trimethylbenzene	12.94	105	89325	20.552	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.52	75	5628	21.341	ug/l	98
82) 4-Chlorotoluene	12.99	91	77055	20.236	ug/l	98
83) tert-Butylbenzene	13.21	119	79813	20.757	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	91055	20.313	ug/l	99
85) sec-Butylbenzene	13.39	105	115073	20.430	ug/l	100
86) p-Isopropyltoluene	13.51	119	99670	20.492	ug/l	98
87) 1,3-Dichlorobenzene	13.50	146	47017	20.740	ug/l	96
88) 1,4-Dichlorobenzene	13.58	146	47264	20.780	ug/l	98
89) n-Butylbenzene	13.83	91	98263	20.627	ug/l	99
90) Hexachloroethane	14.10	117	16993	20.684	ug/l	93
91) 1,2-Dichlorobenzene	13.88	146	42257	21.210	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.49	75	2713	19.913	ug/l	90

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	28131	21.267	ug/l	99
94) Hexachlorobutadiene	15.24	225	16060	22.684	ug/l	98
95) Naphthalene	15.38	128	49773	20.152	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	24414	21.651	ug/l	98

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

