

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW010919\
 Data File : VW008096.D
 Acq On : 09 Jan 2019 12:11
 Operator : SY/AP
 Sample : VW0109SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0109SBS01

Manual Integrations
 APPROVED

MMDadoda
 1/10/2019 4:50:59 PM

Quant Time: Jan 10 06:11:39 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	93871	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	159690	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	144940	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	69739	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	45873	43.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.96%	
35) Dibromofluoromethane	7.88	113	43829	47.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.12%	
50) Toluene-d8	10.32	98	184856	47.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.60%	
62) 4-Bromofluorobenzene	12.62	95	63230	45.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.26%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	13933	18.187	ug/l	99
3) Chloromethane	2.21	50	19656	19.776	ug/l	96
4) Vinyl Chloride	2.37	62	25204	19.430	ug/l	96
5) Bromomethane	2.79	94	17858	18.377	ug/l	96
6) Chloroethane	2.93	64	18483	18.935	ug/l	95
7) Trichlorofluoromethane	3.26	101	18908	17.929	ug/l	93
8) Diethyl Ether	3.68	74	11282	18.924	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	20552	19.628	ug/l	99
10) Methyl Iodide	4.26	142	29333	19.222	ug/l	99
11) Tert butyl alcohol	5.21	59	5131	58.563	ug/l #	100
12) 1,1-Dichloroethene	4.03	96	19744	19.206	ug/l	99
13) Acrolein	3.89	56	5337	74.935	ug/l	98
14) Allyl chloride	4.67	41	35940	19.256	ug/l	95
15) Acrylonitrile	5.37	53	20301	89.440	ug/l	98
16) Acetone	4.14	43	21241	99.253	ug/l	98
17) Carbon Disulfide	4.37	76	60684	18.897	ug/l	99
18) Methyl Acetate	4.68	43	11827	17.737	ug/l	97
19) Methyl tert-butyl Ether	5.43	73	30834	18.450	ug/l	95
20) Methylene Chloride	4.90	84	25884	22.250	ug/l	92
21) trans-1,2-Dichloroethene	5.43	96	20927	18.733	ug/l	95
22) Diisopropyl ether	6.31	45	69760	19.598	ug/l	98
23) Vinyl Acetate	6.26	43	178833	95.659	ug/l	99
24) 1,1-Dichloroethane	6.21	63	40103	19.336	ug/l	100
25) 2-Butanone	7.18	43	28032	95.496	ug/l	99
26) 2,2-Dichloropropane	7.17	77	26737	19.026	ug/l	98
27) cis-1,2-Dichloroethene	7.17	96	22310	18.304	ug/l	97
28) Bromochloromethane	7.51	49	15538	18.941	ug/l #	18
29) Tetrahydrofuran	7.54	42	17069	87.050	ug/l	96
30) Chloroform	7.67	83	37184	18.835	ug/l	95
31) Cyclohexane	7.96	56	40870	18.408	ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	31663	18.433	ug/l	97
36) 1,1-Dichloropropene	8.08	75	31753	19.303	ug/l	99
37) Ethyl Acetate	7.26	43	12573	19.078	ug/l	98
38) Carbon Tetrachloride	8.07	117	29157	19.366	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	39712	19.039	ug/l	95
40) Benzene	8.32	78	88215	19.772	ug/l	98
41) Methacrylonitrile	7.49	41	7598	18.251	ug/l	92
42) 1,2-Dichloroethane	8.40	62	23872	19.024	ug/l	100
43) Isopropyl Acetate	8.43	43	24617	18.683	ug/l	98
44) Trichloroethene	9.09	130	21616	18.926	ug/l	98
45) 1,2-Dichloropropane	9.37	63	22010	19.895	ug/l	95
46) Dibromomethane	9.46	93	10255	18.875	ug/l	96
47) Bromodichloromethane	9.65	83	26123	18.936	ug/l #	98
48) Methyl methacrylate	9.44	41	11519	18.527	ug/l	100
49) 1,4-Dioxane	9.48	88	2815	322.180	ug/l #	94
51) 4-Methyl-2-Pentanone	10.21	43	59139	92.722	ug/l	99
52) Toluene	10.39	92	54710	19.201	ug/l	97
53) t-1,3-Dichloropropene	10.61	75	27360	19.066	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	32694	19.213	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	14550	19.074	ug/l	97
56) Ethyl methacrylate	10.65	69	16978	17.973	ug/l	94
57) 1,3-Dichloropropane	10.93	76	25783	18.482	ug/l	95
58) 2-Chloroethyl Vinyl ether	9.93	63	49295	101.022	ug/l	98
59) 2-Hexanone	10.97	43	41267	95.676	ug/l	98
60) Dibromochloromethane	11.13	129	15714	18.760	ug/l	98
61) 1,2-Dibromoethane	11.23	107	13576	18.757	ug/l	99
64) Tetrachloroethene	10.86	164	17958	19.038	ug/l	98
65) Chlorobenzene	11.66	112	57952	18.873	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	18924	18.948	ug/l	97
67) Ethyl Benzene	11.73	91	106186	18.899	ug/l	97
68) m/p-Xylenes	11.84	106	80148	37.374	ug/l	99
69) o-Xylene	12.17	106	37477	18.872	ug/l	98
70) Styrene	12.18	104	58258	18.729	ug/l	99
71) Bromoform	12.35	173	8176	18.291	ug/l #	96
73) Isopropylbenzene	12.47	105	103334	18.873	ug/l	100
74) N-amyl acetate	12.27	43	22649	18.680	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.71	83	16074	18.341	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	12212m	19.209	ug/l	
77) Bromobenzene	12.75	156	22786	19.696	ug/l	92
78) n-propylbenzene	12.80	91	127713	19.037	ug/l	100
79) 2-Chlorotoluene	12.90	91	70135	18.739	ug/l	98
80) 1,3,5-Trimethylbenzene	12.95	105	85708	19.049	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.52	75	4934	18.073	ug/l	97
82) 4-Chlorotoluene	12.99	91	74193	18.822	ug/l	100
83) tert-Butylbenzene	13.21	119	74691	18.764	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	86674	18.678	ug/l	100
85) sec-Butylbenzene	13.39	105	109957	18.858	ug/l	99
86) p-Isopropyltoluene	13.51	119	96043	19.075	ug/l	99
87) 1,3-Dichlorobenzene	13.51	146	46057	19.626	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	45491	19.321	ug/l	97
89) n-Butylbenzene	13.83	91	93208	18.901	ug/l	99
90) Hexachloroethane	14.10	117	16018	18.835	ug/l	93
91) 1,2-Dichlorobenzene	13.88	146	39302	19.056	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	2520	17.868	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	26311	19.215	ug/l	96
94) Hexachlorobutadiene	15.24	225	15055	20.541	ug/l	99
95) Naphthalene	15.38	128	45061	17.624	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	21781	18.659	ug/l	96

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

