

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW020419\
 Data File : VW008500.D
 Acq On : 04 Feb 2019 11:47
 Operator : SY/VA
 Sample : VW0204SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0204SBS01

Manual Integrations
 APPROVED

MMDadoda
 2/5/2019 10:42:57 AM

Quant Time: Feb 05 03:23:41 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	385021	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	585266	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	524138	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	269621	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	201621	53.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.60%	
35) Dibromofluoromethane	7.88	113	192094	56.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.26%	
50) Toluene-d8	10.32	98	745858	54.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.70%	
62) 4-Bromofluorobenzene	12.62	95	279876	53.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.12%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	29941	15.834	ug/l	96
3) Chloromethane	2.21	50	48987	15.587	ug/l	98
4) Vinyl Chloride	2.36	62	66912	16.725	ug/l	96
5) Bromomethane	2.77	94	51626	20.006	ug/l	98
6) Chloroethane	2.93	64	49390	20.186	ug/l	92
7) Trichlorofluoromethane	3.25	101	54906	19.012	ug/l	95
8) Diethyl Ether	3.67	74	35487	18.482	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	4.05	101	63712	18.296	ug/l	95
10) Methyl Iodide	4.26	142	98006	17.818	ug/l	99
11) Tert butyl alcohol	5.17	59	29356	96.397	ug/l	98
12) 1,1-Dichloroethene	4.03	96	61064	17.327	ug/l	97
13) Acrolein	3.88	56	26301	100.435	ug/l	98
14) Allyl chloride	4.65	41	106435	15.905	ug/l	97
15) Acrylonitrile	5.36	53	76963	92.826	ug/l	100
16) Acetone	4.12	43	71444	84.110	ug/l	96
17) Carbon Disulfide	4.37	76	187166	16.629	ug/l	99
18) Methyl Acetate	4.66	43	39408	17.394	ug/l	95
19) Methyl tert-butyl Ether	5.42	73	109359	18.755	ug/l	96
20) Methylene Chloride	4.91	84	69727	17.810	ug/l	86
21) trans-1,2-Dichloroethene	5.41	96	70266	17.735	ug/l	94
22) Diisopropyl ether	6.31	45	208939	16.474	ug/l	97
23) Vinyl Acetate	6.25	43	640324	85.501	ug/l	98
24) 1,1-Dichloroethane	6.20	63	122754	17.099	ug/l	99
25) 2-Butanone	7.17	43	105787	89.664	ug/l	99
26) 2,2-Dichloropropane	7.16	77	85382	17.595	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	77833	18.025	ug/l	97
28) Bromochloromethane	7.50	49	58255	17.667	ug/l	95
29) Tetrahydrofuran	7.53	42	67359	90.094	ug/l	97
30) Chloroform	7.67	83	124626	17.649	ug/l	96
31) Cyclohexane	7.95	56	122988	16.568	ug/l #	95
32) 1,1,1-Trichloroethane	7.87	97	110598	18.134	ug/l	97
36) 1,1-Dichloropropene	8.08	75	101545	18.368	ug/l	98
37) Ethyl Acetate	7.25	43	47788	19.538	ug/l	96
38) Carbon Tetrachloride	8.06	117	106056	19.064	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	130914	18.026	ug/l	97
40) Benzene	8.32	78	278189	18.134	ug/l	97
41) Methacrylonitrile	7.48	41	23711	16.372	ug/l	91
42) 1,2-Dichloroethane	8.40	62	83310	18.739	ug/l	99
43) Isopropyl Acetate	8.43	43	93987	18.496	ug/l	96
44) Trichloroethene	9.09	130	80111	19.203	ug/l	99
45) 1,2-Dichloropropane	9.37	63	69023	18.045	ug/l	99
46) Dibromomethane	9.46	93	37002	18.808	ug/l	96
47) Bromodichloromethane	9.64	83	95661	18.383	ug/l	96
48) Methyl methacrylate	9.43	41	43711	17.592	ug/l	98
49) 1,4-Dioxane	9.45	88	12447	374.294	ug/l	96
51) 4-Methyl-2-Pentanone	10.21	43	230913	91.981	ug/l	98
52) Toluene	10.38	92	181007	17.874	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	99520	17.973	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	111583	17.757	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	53180	19.488	ug/l	94
56) Ethyl methacrylate	10.65	69	68618	17.945	ug/l	97
57) 1,3-Dichloropropane	10.93	76	90665	18.546	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	182818	98.404	ug/l	96
59) 2-Hexanone	10.97	43	165253	93.244	ug/l	99
60) Dibromochloromethane	11.13	129	65224	18.599	ug/l	100
61) 1,2-Dibromoethane	11.23	107	52608	19.443	ug/l	99
64) Tetrachloroethene	10.86	164	68430	19.283	ug/l	97
65) Chlorobenzene	11.66	112	200717	18.759	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	71704	18.731	ug/l	98
67) Ethyl Benzene	11.73	91	352006	17.898	ug/l	99
68) m/p-Xylenes	11.84	106	276652	36.254	ug/l	96
69) o-Xylene	12.17	106	133500	18.413	ug/l	94
70) Styrene	12.18	104	207841	17.354	ug/l	98
71) Bromoform	12.35	173	40215	18.671	ug/l #	98
73) Isopropylbenzene	12.46	105	355549	17.688	ug/l	99
74) N-amyl acetate	12.27	43	92316	17.827	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	62124	19.521	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	43580m	18.591	ug/l	
77) Bromobenzene	12.75	156	84193	19.179	ug/l	94
78) n-propylbenzene	12.80	91	431183	17.860	ug/l	98
79) 2-Chlorotoluene	12.89	91	240151	17.628	ug/l	97
80) 1,3,5-Trimethylbenzene	12.94	105	299730	17.840	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.51	75	21095	17.774	ug/l	97
82) 4-Chlorotoluene	12.99	91	252218	17.389	ug/l	97
83) tert-Butylbenzene	13.21	119	266364	17.816	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	305536	17.892	ug/l	100
85) sec-Butylbenzene	13.38	105	383404	17.957	ug/l	99
86) p-Isopropyltoluene	13.50	119	343048	18.342	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	165884	18.711	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	165352	18.767	ug/l	99
89) n-Butylbenzene	13.83	91	325721	17.737	ug/l	99
90) Hexachloroethane	14.10	117	64278	17.574	ug/l	97
91) 1,2-Dichlorobenzene	13.87	146	147715	18.830	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	11266	18.658	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	112406	20.080	ug/l	99
94) Hexachlorobutadiene	15.24	225	67617	20.043	ug/l	99
95) Naphthalene	15.37	128	196562	19.998	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	97399	20.511	ug/l	99

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

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