

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW021419\
 Data File : VW008661.D
 Acq On : 14 Feb 2019 13:00
 Operator : SY/VA
 Sample : VW0214SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0214SBS01

Manual Integrations
 APPROVED

MMDadoda
 2/18/2019 12:10:49 AM

Quant Time: Feb 15 03:03:42 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W021319S.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 14 04:06:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	401185	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	583256	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	519304	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	270400	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	203593	48.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.62%	
35) Dibromofluoromethane	7.88	113	195876	54.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.16%	
50) Toluene-d8	10.32	98	758265	54.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.62%	
62) 4-Bromofluorobenzene	12.62	95	269298	51.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.42%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	53511	20.825	ug/l	99
3) Chloromethane	2.21	50	69847	18.856	ug/l	100
4) Vinyl Chloride	2.36	62	94156	19.351	ug/l	99
5) Bromomethane	2.78	94	77522	20.134	ug/l	98
6) Chloroethane	2.92	64	70226	19.396	ug/l	95
7) Trichlorofluoromethane	3.25	101	69881	18.440	ug/l	97
8) Diethyl Ether	3.67	74	42682	18.873	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.06	101	87927	21.955	ug/l	99
10) Methyl Iodide	4.26	142	130287	20.843	ug/l	98
11) Tert butyl alcohol	5.17	59	24396	73.106	ug/l #	94
12) 1,1-Dichloroethene	4.03	96	79503	20.299	ug/l	97
13) Acrolein	3.88	56	31393	91.307	ug/l	96
14) Allyl chloride	4.65	41	132458	20.356	ug/l	98
15) Acrylonitrile	5.35	53	82643	86.820	ug/l	98
16) Acetone	4.12	43	79818	84.098	ug/l	98
17) Carbon Disulfide	4.37	76	247164	20.911	ug/l	98
18) Methyl Acetate	4.67	43	33713	15.545	ug/l	97
19) Methyl tert-butyl Ether	5.42	73	125481	18.250	ug/l	97
20) Methylene Chloride	4.90	84	91247	17.054	ug/l	90
21) trans-1,2-Dichloroethene	5.41	96	87628	20.430	ug/l	95
22) Diisopropyl ether	6.31	45	252169	19.254	ug/l	98
23) Vinyl Acetate	6.25	43	757867	89.160	ug/l	100
24) 1,1-Dichloroethane	6.20	63	152720	20.208	ug/l	97
25) 2-Butanone	7.17	43	108594	81.029	ug/l	97
26) 2,2-Dichloropropane	7.16	77	102508	21.712	ug/l	100
27) cis-1,2-Dichloroethene	7.16	96	91104	19.643	ug/l	99
28) Bromochloromethane	7.51	49	58924	18.470	ug/l	98
29) Tetrahydrofuran	7.52	42	71236	80.644	ug/l	100
30) Chloroform	7.67	83	151112	19.955	ug/l	98
31) Cyclohexane	7.95	56	155048	20.326	ug/l	96
32) 1,1,1-Trichloroethane	7.87	97	133360	20.853	ug/l	99
36) 1,1-Dichloropropene	8.07	75	129181	22.045	ug/l	99
37) Ethyl Acetate	7.24	43	49137	17.383	ug/l	98
38) Carbon Tetrachloride	8.06	117	128970	22.134	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	163166	22.015	ug/l	97
40) Benzene	8.32	78	339865	21.237	ug/l	97
41) Methacrylonitrile	7.48	41	30564	19.218	ug/l	95
42) 1,2-Dichloroethane	8.40	62	100135	20.172	ug/l	99
43) Isopropyl Acetate	8.42	43	100007	17.743	ug/l	96
44) Trichloroethene	9.09	130	97559	21.986	ug/l	98
45) 1,2-Dichloropropane	9.37	63	81624	20.609	ug/l	94
46) Dibromomethane	9.46	93	43746	20.051	ug/l	99
47) Bromodichloromethane	9.64	83	107566	20.514	ug/l	98
48) Methyl methacrylate	9.43	41	44108	16.886	ug/l	95
49) 1,4-Dioxane	9.45	88	11661	334.834	ug/l	95
51) 4-Methyl-2-Pentanone	10.21	43	245097	84.651	ug/l	99
52) Toluene	10.38	92	215621	20.885	ug/l	97
53) t-1,3-Dichloropropene	10.60	75	106541	19.341	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	124908	20.003	ug/l	95
55) 1,1,2-Trichloroethane	10.79	97	57978	19.367	ug/l	97
56) Ethyl methacrylate	10.65	69	71148	17.898	ug/l	97
57) 1,3-Dichloropropane	10.93	76	103369	19.461	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.92	63	195470	102.506	ug/l	100
59) 2-Hexanone	10.97	43	172918	85.014	ug/l	100
60) Dibromochloromethane	11.13	129	69410	19.378	ug/l	99
61) 1,2-Dibromoethane	11.23	107	56527	19.178	ug/l	100
64) Tetrachloroethene	10.86	164	82412	21.341	ug/l	97
65) Chlorobenzene	11.66	112	237649	21.232	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	79904	20.152	ug/l	97
67) Ethyl Benzene	11.73	91	420999	21.115	ug/l	99
68) m/p-Xylenes	11.84	106	326353	42.068	ug/l	100
69) o-Xylene	12.16	106	153014	20.867	ug/l	99
70) Styrene	12.18	104	244196	20.388	ug/l	98
71) Bromoform	12.35	173	39253	18.373	ug/l #	95
73) Isopropylbenzene	12.46	105	427016	21.201	ug/l	99
74) N-amyl acetate	12.27	43	94053	17.268	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	66406	18.950	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	45963m	17.214	ug/l	
77) Bromobenzene	12.75	156	96738	20.894	ug/l	96
78) n-propylbenzene	12.80	91	512044	21.396	ug/l	99
79) 2-Chlorotoluene	12.90	91	286687	21.196	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	357524	21.370	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	19104	17.500	ug/l	98
82) 4-Chlorotoluene	12.99	91	297646	20.765	ug/l	99
83) tert-Butylbenzene	13.21	119	314218	21.630	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	363588	21.145	ug/l	99
85) sec-Butylbenzene	13.38	105	454402	21.483	ug/l	100
86) p-Isopropyltoluene	13.50	119	401532	21.220	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	197667	21.060	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	192248	20.783	ug/l	98
89) n-Butylbenzene	13.83	91	386401	21.488	ug/l	99
90) Hexachloroethane	14.10	117	68623	20.757	ug/l	94
91) 1,2-Dichlorobenzene	13.87	146	170283	20.478	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	10976	18.024	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	122665	20.722	ug/l	99
94) Hexachlorobutadiene	15.24	225	79868	23.179	ug/l	99
95) Naphthalene	15.37	128	199459	18.803	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	104548	20.582	ug/l	100

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

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