

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW031919\
 Data File : VW009258.D
 Acq On : 20 Mar 2019 01:04
 Operator : SY/VA
 Sample : VW0319SBS02
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0319SBS02

Manual Integrations
 APPROVED

MMDadoda
 3/22/2019 3:53:15 AM

Quant Time: Mar 20 08:29:30 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W031919S.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 20 07:22:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	260654	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	419181	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	391174	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	211271	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	156575	56.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.94%	
35) Dibromofluoromethane	7.88	113	136136	51.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.40%	
50) Toluene-d8	10.32	98	486770	50.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.74%	
62) 4-Bromofluorobenzene	12.62	95	182356	51.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.80%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	35538	21.501	ug/l	94
3) Chloromethane	2.21	50	42683	22.590	ug/l	99
4) Vinyl Chloride	2.37	62	58989	21.271	ug/l	98
5) Bromomethane	2.78	94	52989	23.430	ug/l	100
6) Chloroethane	2.92	64	49349	22.936	ug/l	100
7) Trichlorofluoromethane	3.25	101	33339	18.352	ug/l	98
8) Diethyl Ether	3.67	74	31665	24.169	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	4.06	101	53407	20.294	ug/l	98
10) Methyl Iodide	4.26	142	86082	22.691	ug/l	97
11) Tert butyl alcohol	5.18	59	19959	124.000	ug/l	95
12) 1,1-Dichloroethene	4.04	96	53140	21.362	ug/l	89
13) Acrolein	3.89	56	13989	106.477	ug/l	96
14) Allyl chloride	4.65	41	81553	22.238	ug/l	97
15) Acrylonitrile	5.36	53	69645	126.486	ug/l	99
16) Acetone	4.12	43	60809	106.903	ug/l	99
17) Carbon Disulfide	4.38	76	147058	21.205	ug/l	99
18) Methyl Acetate	4.66	43	33968	23.268	ug/l #	78
19) Methyl tert-butyl Ether	5.42	73	80091	26.233	ug/l	98
20) Methylene Chloride	4.91	84	62044	24.733	ug/l	92
21) trans-1,2-Dichloroethene	5.41	96	58392	22.815	ug/l	98
22) Diisopropyl ether	6.31	45	190924	24.149	ug/l	95
23) Vinyl Acetate	6.25	43	615742	124.127	ug/l	99
24) 1,1-Dichloroethane	6.20	63	112103	22.975	ug/l	98
25) 2-Butanone	7.17	43	99121	121.612	ug/l	99
26) 2,2-Dichloropropane	7.16	77	54765	20.088	ug/l	99
27) cis-1,2-Dichloroethene	7.16	96	65048	23.460	ug/l	99
28) Bromochloromethane	7.51	49	51249	23.946	ug/l #	100
29) Tetrahydrofuran	7.53	42	66752	128.847	ug/l	99
30) Chloroform	7.67	83	116018	22.853	ug/l	95
31) Cyclohexane	7.95	56	95529	21.000	ug/l	96
32) 1,1,1-Trichloroethane	7.86	97	88118	21.745	ug/l	99
36) 1,1-Dichloropropene	8.08	75	85152	20.414	ug/l	99
37) Ethyl Acetate	7.25	43	46513	24.437	ug/l	98
38) Carbon Tetrachloride	8.06	117	86145	19.515	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	93702	19.416	ug/l	95
40) Benzene	8.32	78	244372	21.604	ug/l	99
41) Methacrylonitrile	7.48	41	27056	26.374	ug/l #	87
42) 1,2-Dichloroethane	8.40	62	86199	23.312	ug/l	100
43) Isopropyl Acetate	8.42	43	88319	23.172	ug/l	99
44) Trichloroethene	9.09	130	65153	21.026	ug/l	94
45) 1,2-Dichloropropane	9.37	63	63384	22.043	ug/l	96
46) Dibromomethane	9.45	93	37218	23.537	ug/l	97
47) Bromodichloromethane	9.64	83	88520	22.153	ug/l	95
48) Methyl methacrylate	9.43	41	41208	23.352	ug/l	98
49) 1,4-Dioxane	9.45	88	11371	463.629	ug/l	99
51) 4-Methyl-2-Pentanone	10.21	43	238783	120.212	ug/l	100
52) Toluene	10.38	92	155793	21.737	ug/l	95
53) t-1,3-Dichloropropene	10.60	75	85987	22.068	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	94582	21.576	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	48362	22.587	ug/l	96
56) Ethyl methacrylate	10.65	69	58063	22.774	ug/l	96
57) 1,3-Dichloropropane	10.93	76	85243	23.083	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	172473	231.199	ug/l	99
59) 2-Hexanone	10.97	43	162842	120.755	ug/l	99
60) Dibromochloromethane	11.13	129	60007	22.684	ug/l	99
61) 1,2-Dibromoethane	11.23	107	47189	23.140	ug/l	100
64) Tetrachloroethene	10.86	164	57660	21.524	ug/l	98
65) Chlorobenzene	11.66	112	176925	21.870	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.73	131	64449	21.328	ug/l	100
67) Ethyl Benzene	11.73	91	295337	21.077	ug/l	100
68) m/p-Xylenes	11.84	106	231327	42.592	ug/l	97
69) o-Xylene	12.16	106	108485	21.510	ug/l	99
70) Styrene	12.18	104	179025	21.529	ug/l	99
71) Bromoform	12.35	173	36767	22.276	ug/l #	99
73) Isopropylbenzene	12.46	105	293670	20.796	ug/l	99
74) N-amyl acetate	12.27	43	84733	23.003	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	59761	22.624	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	42248m	21.280	ug/l	
77) Bromobenzene	12.75	156	72834	21.775	ug/l	99
78) n-propylbenzene	12.80	91	358056	20.645	ug/l	100
79) 2-Chlorotoluene	12.90	91	210751	21.391	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	250956	20.898	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	17168	21.218	ug/l	98
82) 4-Chlorotoluene	12.99	91	221237	21.316	ug/l	100
83) tert-Butylbenzene	13.21	119	216816	21.127	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	260770	21.181	ug/l	99
85) sec-Butylbenzene	13.38	105	311912	20.568	ug/l	100
86) p-Isopropyltoluene	13.50	119	276898	20.505	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	146514	21.167	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	147750	21.438	ug/l	100
89) n-Butylbenzene	13.83	91	259147	19.992	ug/l	100
90) Hexachloroethane	14.10	117	55800	20.958	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	134829	21.723	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	10971	23.195	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	89790	21.541	ug/l	99
94) Hexachlorobutadiene	15.24	225	52657	19.862	ug/l	98
95) Naphthalene	15.37	128	167748	23.227	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	83154	22.348	ug/l	100

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

