

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW070419\
 Data File : VW011142.D
 Acq On : 03 Jul 2019 16:18
 Operator : SY/VA
 Sample : VW0704SBSD01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0704SBSD01

Manual Integrations
 APPROVED

MMDadoda
 7/8/2019 9:41:43 AM

Quant Time: Jul 04 04:12:28 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W062819S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 28 01:55:46 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	224151	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	364897	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	324351	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	161183	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	133364	45.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.02%	
35) Dibromofluoromethane	7.88	113	104305	46.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.62%	
50) Toluene-d8	10.32	98	431794	47.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.16%	
62) 4-Bromofluorobenzene	12.62	95	156302	46.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.18%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	35257	20.865	ug/l	95
3) Chloromethane	2.21	50	44149	19.490	ug/l	99
4) Vinyl Chloride	2.35	62	57663	19.551	ug/l	98
5) Bromomethane	2.76	94	28085	19.130	ug/l	94
6) Chloroethane	2.92	64	29722	19.114	ug/l	95
7) Trichlorofluoromethane	3.25	101	18500	21.345	ug/l	91
8) Diethyl Ether	3.68	74	26557	19.347	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.06	101	47721	19.577	ug/l	98
10) Methyl Iodide	4.27	142	61864	18.139	ug/l	100
11) Tert butyl alcohol	5.17	59	17710	83.217	ug/l #	87
12) 1,1-Dichloroethene	4.04	96	47953	18.899	ug/l	94
13) Acrolein	3.89	56	14605	88.005	ug/l	94
14) Allyl chloride	4.66	41	84024	20.575	ug/l	100
15) Acrylonitrile	5.36	53	64985	96.138	ug/l	100
16) Acetone	4.12	43	65168	91.111	ug/l	98
17) Carbon Disulfide	4.38	76	132334	18.384	ug/l	100
18) Methyl Acetate	4.67	43	38877	20.983	ug/l	100
19) Methyl tert-butyl Ether	5.42	73	70736	19.697	ug/l	97
20) Methylene Chloride	4.92	84	54546	18.770	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	49195	18.816	ug/l	97
22) Diisopropyl ether	6.31	45	190859	19.421	ug/l	100
23) Vinyl Acetate	6.25	43	556996	91.987	ug/l	99
24) 1,1-Dichloroethane	6.21	63	98772	19.041	ug/l	99
25) 2-Butanone	7.17	43	97308	89.502	ug/l	97
26) 2,2-Dichloropropane	7.17	77	49081	18.223	ug/l	98
27) cis-1,2-Dichloroethene	7.17	96	53516	19.010	ug/l	98
28) Bromochloromethane	7.51	49	47552	19.692	ug/l	99
29) Tetrahydrofuran	7.52	42	64236	94.911	ug/l	99
30) Chloroform	7.67	83	91294	19.372	ug/l	99
31) Cyclohexane	7.95	56	105660	18.851	ug/l	93
32) 1,1,1-Trichloroethane	7.87	97	68071	19.330	ug/l	100
36) 1,1-Dichloropropene	8.08	75	76954	19.621	ug/l	100
37) Ethyl Acetate	7.25	43	44252	19.395	ug/l	98
38) Carbon Tetrachloride	8.06	117	62129	19.236	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	93941	19.463	ug/l	99
40) Benzene	8.32	78	213486	19.791	ug/l	98
41) Methacrylonitrile	7.48	41	22462	16.181	ug/l #	85
42) 1,2-Dichloroethane	8.40	62	68660	19.412	ug/l	100
43) Isopropyl Acetate	8.42	43	80041	18.544	ug/l	99
44) Trichloroethene	9.09	130	50781	19.479	ug/l	97
45) 1,2-Dichloropropane	9.37	63	56929	19.434	ug/l	97
46) Dibromomethane	9.46	93	26269	19.174	ug/l	99
47) Bromodichloromethane	9.64	83	64288	18.953	ug/l	98
48) Methyl methacrylate	9.43	41	39370	18.812	ug/l	98
49) 1,4-Dioxane	9.44	88	8430	365.965	ug/l	97
51) 4-Methyl-2-Pentanone	10.21	43	212234	93.413	ug/l	99
52) Toluene	10.38	92	128205	19.413	ug/l	98
53) t-1,3-Dichloropropene	10.60	75	66665	18.869	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	79919	18.963	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	37558	19.404	ug/l	98
56) Ethyl methacrylate	10.65	69	54582	18.832	ug/l	99
57) 1,3-Dichloropropane	10.93	76	71138	19.321	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.92	63	144650	98.636	ug/l	99
59) 2-Hexanone	10.97	43	149792	94.541	ug/l	99
60) Dibromochloromethane	11.13	129	37575	18.512	ug/l	100
61) 1,2-Dibromoethane	11.23	107	34184	18.865	ug/l	100
64) Tetrachloroethene	10.86	164	42895	19.217	ug/l	97
65) Chlorobenzene	11.66	112	128411	19.341	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	43438	19.270	ug/l	99
67) Ethyl Benzene	11.73	91	247944	19.498	ug/l	100
68) m/p-Xylenes	11.84	106	179693	38.942	ug/l	100
69) o-Xylene	12.16	106	83487	19.425	ug/l	99
70) Styrene	12.18	104	145248	19.448	ug/l	100
71) Bromoform	12.35	173	20674	18.813	ug/l #	98
73) Isopropylbenzene	12.46	105	232387	19.245	ug/l	100
74) N-amyl acetate	12.27	43	75400	18.593	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.71	83	45438	19.163	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	31848m	18.716	ug/l	
77) Bromobenzene	12.75	156	51227	19.301	ug/l	99
78) n-propylbenzene	12.80	91	289218	19.342	ug/l	100
79) 2-Chlorotoluene	12.89	91	164627	19.271	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	198305	19.376	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	12687	18.664	ug/l	95
82) 4-Chlorotoluene	12.99	91	171445	19.258	ug/l	100
83) tert-Butylbenzene	13.21	119	165053	19.340	ug/l	100
84) 1,2,4-Trimethylbenzene	13.25	105	198969	19.234	ug/l	99
85) sec-Butylbenzene	13.38	105	238982	19.276	ug/l	99
86) p-Isopropyltoluene	13.50	119	216637	19.418	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	101264	19.288	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	101308	19.331	ug/l	99
89) n-Butylbenzene	13.82	91	217979	19.223	ug/l	99
90) Hexachloroethane	14.09	117	35080	18.377	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	91078	19.315	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	7358	18.259	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	64953	19.578	ug/l	99
94) Hexachlorobutadiene	15.24	225	38537	19.152	ug/l	99
95) Naphthalene	15.37	128	113855	18.270	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	56016	18.909	ug/l	99

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

