

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW022219\
 Data File : VW008788.D
 Acq On : 22 Feb 2019 14:46
 Operator : SY/VA
 Sample : VW0222SBSD01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0222SBSD01

Manual Integrations
 APPROVED

MMDadoda
 2/25/2019 10:53:04 AM

Quant Time: Feb 23 03:38:50 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W022119S.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 22 00:38:32 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	320971	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	468652	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	443950	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	240083	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	153400	50.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.92%	
35) Dibromofluoromethane	7.88	113	141332	50.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.46%	
50) Toluene-d8	10.32	98	541447	49.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.70%	
62) 4-Bromofluorobenzene	12.62	95	205648	48.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.70%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	59891	18.630	ug/l	96
3) Chloromethane	2.21	50	76810	19.628	ug/l	99
4) Vinyl Chloride	2.35	62	80645	19.464	ug/l	100
5) Bromomethane	2.75	94	59098	19.204	ug/l	98
6) Chloroethane	2.91	64	54222	18.430	ug/l	100
7) Trichlorofluoromethane	3.26	101	111180	21.217	ug/l	97
8) Diethyl Ether	3.68	74	34116	20.564	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	4.06	101	63983	20.107	ug/l	98
10) Methyl Iodide	4.27	142	80063	20.120	ug/l	99
11) Tert butyl alcohol	5.17	59	25383	94.710	ug/l #	87
12) 1,1-Dichloroethene	4.03	96	57085	20.313	ug/l	97
13) Acrolein	3.90	56	24606	99.936	ug/l	99
14) Allyl chloride	4.67	41	97573	20.117	ug/l	98
15) Acrylonitrile	5.37	53	72335	101.596	ug/l	98
16) Acetone	4.12	43	68066	97.545	ug/l	99
17) Carbon Disulfide	4.38	76	179014	19.199	ug/l	96
18) Methyl Acetate	4.68	43	31263	18.889	ug/l	100
19) Methyl tert-butyl Ether	5.43	73	159031	20.907	ug/l	100
20) Methylene Chloride	4.92	84	73567	18.147	ug/l	91
21) trans-1,2-Dichloroethene	5.43	96	68969	21.216	ug/l	89
22) Diisopropyl ether	6.31	45	200682	20.741	ug/l	97
23) Vinyl Acetate	6.26	43	625494	104.631	ug/l	100
24) 1,1-Dichloroethane	6.22	63	114393	20.403	ug/l	98
25) 2-Butanone	7.17	43	99818	102.319	ug/l	99
26) 2,2-Dichloropropane	7.17	77	103884	20.408	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	71128	20.455	ug/l	98
28) Bromochloromethane	7.51	49	47552	20.267	ug/l	99
29) Tetrahydrofuran	7.53	42	63078	101.461	ug/l	98
30) Chloroform	7.68	83	118361	20.578	ug/l	97
31) Cyclohexane	7.95	56	116560	20.538	ug/l	97
32) 1,1,1-Trichloroethane	7.87	97	108406	20.725	ug/l	98
36) 1,1-Dichloropropene	8.08	75	94924	20.807	ug/l	98
37) Ethyl Acetate	7.26	43	46586	21.960	ug/l	98
38) Carbon Tetrachloride	8.07	117	98774	20.530	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	112761	19.816	ug/l	99
40) Benzene	8.32	78	258746	20.773	ug/l	99
41) Methacrylonitrile	7.49	41	24392	19.561	ug/l	97
42) 1,2-Dichloroethane	8.40	62	81008	20.531	ug/l	100
43) Isopropyl Acetate	8.43	43	83798	19.792	ug/l	98
44) Trichloroethene	9.09	130	74015	21.094	ug/l	96
45) 1,2-Dichloropropane	9.37	63	64351	20.907	ug/l	95
46) Dibromomethane	9.46	93	34405	20.095	ug/l	99
47) Bromodichloromethane	9.64	83	85747	20.585	ug/l	96
48) Methyl methacrylate	9.44	41	37727	18.605	ug/l	98
49) 1,4-Dioxane	9.45	88	9603	350.248	ug/l	93
51) 4-Methyl-2-Pentanone	10.21	43	210623	97.983	ug/l	99
52) Toluene	10.38	92	169367	20.035	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	86451	20.362	ug/l	96
54) cis-1,3-Dichloropropene	10.07	75	100704	20.796	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	48623	20.941	ug/l	95
56) Ethyl methacrylate	10.65	69	59068	19.581	ug/l	98
57) 1,3-Dichloropropane	10.93	76	83070	20.263	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.93	63	157941	104.101	ug/l	100
59) 2-Hexanone	10.97	43	149102	97.441	ug/l	99
60) Dibromochloromethane	11.13	129	57703	20.375	ug/l	97
61) 1,2-Dibromoethane	11.23	107	46458	20.214	ug/l	100
64) Tetrachloroethene	10.86	164	63923	20.115	ug/l	98
65) Chlorobenzene	11.66	112	186894	20.021	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	62919	19.934	ug/l	98
67) Ethyl Benzene	11.73	91	334092	20.020	ug/l	100
68) m/p-Xylenes	11.84	106	268306	40.240	ug/l	98
69) o-Xylene	12.17	106	122970	19.649	ug/l	100
70) Styrene	12.18	104	201805	20.043	ug/l	100
71) Bromoform	12.35	173	32664	19.252	ug/l #	99
73) Isopropylbenzene	12.46	105	339980	20.657	ug/l	99
74) N-amyl acetate	12.27	43	79353	19.140	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.71	83	56772	21.110	ug/l	97
76) 1,2,3-Trichloropropane	12.77	75	37333m	18.834	ug/l	
77) Bromobenzene	12.75	156	81683	21.002	ug/l	97
78) n-propylbenzene	12.80	91	411546	20.442	ug/l	98
79) 2-Chlorotoluene	12.89	91	235341	20.589	ug/l	98
80) 1,3,5-Trimethylbenzene	12.94	105	286076	20.001	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	15457	18.957	ug/l	96
82) 4-Chlorotoluene	12.99	91	244492	20.297	ug/l	100
83) tert-Butylbenzene	13.21	119	246637	19.943	ug/l	100
84) 1,2,4-Trimethylbenzene	13.26	105	295609	19.966	ug/l	98
85) sec-Butylbenzene	13.38	105	362284	20.373	ug/l	99
86) p-Isopropyltoluene	13.50	119	325670	19.977	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	166875	20.680	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	163190	20.519	ug/l	98
89) n-Butylbenzene	13.83	91	308306	20.187	ug/l	98
90) Hexachloroethane	14.10	117	53787	20.154	ug/l	100
91) 1,2-Dichlorobenzene	13.87	146	147111	20.460	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.49	75	8959	18.416	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	106893	20.633	ug/l	99
94) Hexachlorobutadiene	15.24	225	61026	19.998	ug/l	97
95) Naphthalene	15.37	128	178580	20.246	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	90974	20.310	ug/l	99

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

