

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW072519\
 Data File : VW011470.D
 Acq On : 24 Jul 2019 13:07
 Operator : SY/VA
 Sample : VW0725SBSD01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0725SBSD01

Manual Integrations
 APPROVED

MMDadoda
 7/25/2019 8:18:11 AM

Quant Time: Jul 25 04:38:37 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W070819S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 11 08:14:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	235656	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	383706	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	337850	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	163793	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	127418	43.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.06%	
35) Dibromofluoromethane	7.88	113	104187	45.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.10%	
50) Toluene-d8	10.32	98	419990	45.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.86%	
62) 4-Bromofluorobenzene	12.62	95	153716	45.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.72%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	29197	16.612	ug/l	100
3) Chloromethane	2.21	50	45692	20.176	ug/l	94
4) Vinyl Chloride	2.36	62	56663	19.116	ug/l	97
5) Bromomethane	2.76	94	28319	19.013	ug/l	100
6) Chloroethane	2.92	64	30565	19.144	ug/l	99
7) Trichlorofluoromethane	3.25	101	22321	21.197	ug/l	89
8) Diethyl Ether	3.68	74	28845	19.798	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.05	101	47947	19.009	ug/l	100
10) Methyl Iodide	4.26	142	68938	19.872	ug/l	97
11) Tert butyl alcohol	5.16	59	23974	109.355	ug/l	96
12) 1,1-Dichloroethene	4.04	96	50003	19.100	ug/l	92
13) Acrolein	3.89	56	12921	74.015	ug/l	97
14) Allyl chloride	4.67	41	100171	20.983	ug/l	96
15) Acrylonitrile	5.36	53	74627	100.570	ug/l	99
16) Acetone	4.12	43	70308	98.681	ug/l	100
17) Carbon Disulfide	4.38	76	138169	17.409	ug/l	100
18) Methyl Acetate	4.67	43	52558	25.241	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	83951	21.135	ug/l	100
20) Methylene Chloride	4.92	84	56599	20.137	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	52228	19.200	ug/l	94
22) Diisopropyl ether	6.31	45	204735	19.940	ug/l	99
23) Vinyl Acetate	6.25	43	586827	92.350	ug/l	100
24) 1,1-Dichloroethane	6.21	63	106243	19.705	ug/l	99
25) 2-Butanone	7.17	43	111708	99.882	ug/l	98
26) 2,2-Dichloropropane	7.16	77	59978	21.400	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	57977	19.758	ug/l	97
28) Bromochloromethane	7.51	49	47254	19.275	ug/l	97
29) Tetrahydrofuran	7.52	42	72501	98.864	ug/l	100
30) Chloroform	7.67	83	97292	19.485	ug/l	100
31) Cyclohexane	7.95	56	104880	18.285	ug/l	92
32) 1,1,1-Trichloroethane	7.87	97	72923	19.199	ug/l	99
36) 1,1-Dichloropropene	8.08	75	77714	19.019	ug/l	99
37) Ethyl Acetate	7.25	43	48560	19.780	ug/l	99
38) Carbon Tetrachloride	8.07	117	65695	18.966	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	93790	18.938	ug/l	99
40) Benzene	8.32	78	224922	19.918	ug/l	100
41) Methacrylonitrile	7.48	41	25989	18.509	ug/l	97
42) 1,2-Dichloroethane	8.40	62	70496	19.244	ug/l	98
43) Isopropyl Acetate	8.42	43	89670	19.346	ug/l	99
44) Trichloroethene	9.09	130	53714	19.767	ug/l	98
45) 1,2-Dichloropropane	9.37	63	60503	19.786	ug/l	100
46) Dibromomethane	9.46	93	28064	19.537	ug/l	97
47) Bromodichloromethane	9.64	83	70057	19.061	ug/l	99
48) Methyl methacrylate	9.43	41	42984	19.276	ug/l	97
49) 1,4-Dioxane	9.45	88	9712	405.051	ug/l	96
51) 4-Methyl-2-Pentanone	10.21	43	237036	97.898	ug/l	100
52) Toluene	10.38	92	136478	19.923	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	73692	18.836	ug/l	97
54) cis-1,3-Dichloropropene	10.07	75	87606	19.024	ug/l	96
55) 1,1,2-Trichloroethane	10.79	97	41226	20.230	ug/l	98
56) Ethyl methacrylate	10.65	69	60701	19.565	ug/l	97
57) 1,3-Dichloropropane	10.93	76	76110	19.750	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	153147	106.473	ug/l	99
59) 2-Hexanone	10.97	43	162599	96.835	ug/l	100
60) Dibromochloromethane	11.13	129	43479	19.457	ug/l	100
61) 1,2-Dibromoethane	11.24	107	38015	19.694	ug/l	99
64) Tetrachloroethene	10.86	164	46191	20.261	ug/l	99
65) Chlorobenzene	11.66	112	138496	20.163	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	48348	19.991	ug/l	98
67) Ethyl Benzene	11.73	91	263535	20.041	ug/l	100
68) m/p-Xylenes	11.84	106	190046	39.942	ug/l	100
69) o-Xylene	12.16	106	89690	20.000	ug/l	100
70) Styrene	12.18	104	155866	20.139	ug/l	99
71) Bromoform	12.35	173	24624	19.149	ug/l #	100
73) Isopropylbenzene	12.46	105	250281	20.441	ug/l	100
74) N-amyl acetate	12.27	43	81991	19.227	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	49695	19.800	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	41116m	21.722	ug/l	
77) Bromobenzene	12.75	156	55893	20.341	ug/l	97
78) n-propylbenzene	12.80	91	301502	19.989	ug/l	99
79) 2-Chlorotoluene	12.89	91	174358	20.088	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	211425	20.325	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	15221	18.188	ug/l	97
82) 4-Chlorotoluene	12.99	91	184115	20.366	ug/l	100
83) tert-Butylbenzene	13.21	119	179231	20.660	ug/l	97
84) 1,2,4-Trimethylbenzene	13.25	105	210003	20.106	ug/l	100
85) sec-Butylbenzene	13.38	105	251607	20.100	ug/l	100
86) p-Isopropyltoluene	13.50	119	225699	20.102	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	107673	20.367	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	107175	20.132	ug/l	98
89) n-Butylbenzene	13.82	91	219037	19.556	ug/l	99
90) Hexachloroethane	14.09	117	38917	18.968	ug/l	97
91) 1,2-Dichlorobenzene	13.87	146	96351	20.089	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	8265	18.565	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	65999	19.978	ug/l	99
94) Hexachlorobutadiene	15.24	225	41277	20.352	ug/l	99
95) Naphthalene	15.36	128	126729	20.019	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	58597	20.098	ug/l	98

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

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