

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW101718\
 Data File : VW006137.D
 Acq On : 17 Oct 2018 19:54
 Operator : VA/AP
 Sample : J5539-09MSD
 Misc : 11.67G/5ML/MSVOA W/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 SB-10-5-7FT

Manual Integrations
 APPROVED

apatel
 10/18/2018 4:36:59 PM

Quant Time: Oct 18 11:56:32 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W101518S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 16 05:36:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	76639	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	118479	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	91049	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	92923	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	36644	57.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	115.34%	
35) Dibromofluoromethane	7.88	113	34330	49.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.08%	
50) Toluene-d8	10.33	98	151896	57.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.06%	
62) 4-Bromofluorobenzene	12.62	95	115220	115.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	230.36%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	20457	53.940	ug/l	93
3) Chloromethane	2.21	50	27202	55.720	ug/l	98
4) Vinyl Chloride	2.36	62	43170	61.921	ug/l	96
5) Bromomethane	2.79	94	33802	53.306	ug/l	97
6) Chloroethane	2.93	64	27147	54.335	ug/l	98
7) Trichlorofluoromethane	3.26	101	58661	90.321	ug/l	97
8) Diethyl Ether	3.68	74	19689	57.042	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.07	101	30261	44.460	ug/l	99
10) Methyl Iodide	4.27	142	62901	55.524	ug/l	100
11) Tert butyl alcohol	5.17	59	15141	354.324	ug/l	97
12) 1,1-Dichloroethene	4.04	96	33780	52.753	ug/l	97
13) Acrolein	3.89	56	8639	208.929	ug/l	93
14) Allyl chloride	4.67	41	47030	51.366	ug/l	99
15) Acrylonitrile	5.37	53	42437	342.779	ug/l	98
16) Acetone	4.12	43	58364	504.709	ug/l	99
17) Carbon Disulfide	4.38	76	96591	49.980	ug/l	100
18) Methyl Acetate	4.67	43	23671	74.030	ug/l	98
19) Methyl tert-butyl Ether	5.43	73	76690	78.632	ug/l	# 89
20) Methylene Chloride	4.92	84	40819	61.076	ug/l	97
21) trans-1,2-Dichloroethene	5.43	96	38629	54.046	ug/l	95
22) Diisopropyl ether	6.32	45	107279	59.292	ug/l	96
23) Vinyl Acetate	6.26	43	306254	286.811	ug/l	99
24) 1,1-Dichloroethane	6.22	63	63559	54.440	ug/l	98
25) 2-Butanone	7.18	43	65426	381.166	ug/l	95
26) 2,2-Dichloropropane	7.17	77	51760	62.859	ug/l	98
27) cis-1,2-Dichloroethene	7.17	96	43615	55.296	ug/l	100
28) Bromochloromethane	7.51	49	27157	60.252	ug/l	95
29) Tetrahydrofuran	7.54	42	37345	353.956	ug/l	98
30) Chloroform	7.68	83	70351	55.308	ug/l	98
31) Cyclohexane	7.96	56	32947	28.338	ug/l	98
32) 1,1,1-Trichloroethane	7.88	97	60663	52.869	ug/l	98
36) 1,1-Dichloropropene	8.09	75	51904	47.529	ug/l	100
37) Ethyl Acetate	7.26	43	25863	63.743	ug/l	98
38) Carbon Tetrachloride	8.07	117	50868	42.491	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.34	83	31718	21.850	ug/l #	88
40) Benzene	8.33	78	156168	52.133	ug/l	98
41) Methacrylonitrile	7.49	41	13031	53.276	ug/l #	84
42) 1,2-Dichloroethane	8.40	62	50558	57.446	ug/l	96
43) Isopropyl Acetate	8.43	43	63024	75.970	ug/l #	88
44) Trichloroethene	9.09	130	45404	49.404	ug/l	99
45) 1,2-Dichloropropane	9.37	63	38181	53.265	ug/l	98
46) Dibromomethane	9.46	93	23341	57.131	ug/l	99
47) Bromodichloromethane	9.65	83	57030	57.576	ug/l	99
48) Methyl methacrylate	9.44	41	29249	74.380	ug/l	92
49) 1,4-Dioxane	9.45	88	8043	1278.795	ug/l #	86
51) 4-Methyl-2-Pentanone	10.21	43	140573	338.197	ug/l	99
52) Toluene	10.39	92	95176	47.391	ug/l	98
53) t-1,3-Dichloropropene	10.61	75	49557	50.216	ug/l	95
54) cis-1,3-Dichloropropene	10.08	75	56541	49.920	ug/l #	79
55) 1,1,2-Trichloroethane	10.77	97	177854	311.084	ug/l #	25
56) Ethyl methacrylate	10.66	69	105437	150.433	ug/l #	1
57) 1,3-Dichloropropane	10.94	76	53885	56.935	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.93	63	79223	295.811	ug/l	100
59) 2-Hexanone	10.94	43	338651	1141.358	ug/l #	25
60) Dibromochloromethane	11.13	129	35528	49.889	ug/l	92
61) 1,2-Dibromoethane	11.24	107	32944	57.669	ug/l	83
64) Tetrachloroethene	10.87	164	29195	41.305	ug/l	96
65) Chlorobenzene	11.66	112	101736	52.196	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.73	131	35442	51.167	ug/l	99
67) Ethyl Benzene	11.74	91	145344	43.029	ug/l	100
68) m/p-Xylenes	11.84	106	109240	81.822	ug/l	96
69) o-Xylene	12.17	106	55767	43.829	ug/l	89
70) Styrene	12.19	104	99424	48.052	ug/l	96
71) Bromoform	12.35	173	21539	55.750	ug/l #	98
73) Isopropylbenzene	12.47	105	126706	19.301	ug/l	100
74) N-amyl acetate	12.26	43	585181	458.947	ug/l #	44
75) 1,1,2,2-Tetrachloroethane	12.69	83	160362	160.609	ug/l #	26
76) 1,2,3-Trichloropropane	12.77	75	25733m	36.256	ug/l	
77) Bromobenzene	12.76	156	43308	26.934	ug/l	92
78) n-propylbenzene	12.81	91	167736	21.962	ug/l	95
79) 2-Chlorotoluene	12.90	91	109594	25.539	ug/l	80
80) 1,3,5-Trimethylbenzene	12.95	105	71124	12.852	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.52	75	8818	29.699	ug/l #	1
82) 4-Chlorotoluene	12.99	91	93092	20.709	ug/l	81
83) tert-Butylbenzene	13.21	119	79318	16.019	ug/l	79
84) 1,2,4-Trimethylbenzene	13.26	105	76879	13.728	ug/l	98
85) sec-Butylbenzene	13.39	105	675751	96.603	ug/l	82
86) p-Isopropyltoluene	13.51	119	52894	8.360	ug/l	96
87) 1,3-Dichlorobenzene	13.51	146	53261	16.644	ug/l #	1
88) 1,4-Dichlorobenzene	13.58	146	53986	16.944	ug/l #	1
89) n-Butylbenzene	13.83	91	374852	64.782	ug/l #	82
90) Hexachloroethane	14.10	117	58454	54.543	ug/l #	16
91) 1,2-Dichlorobenzene	13.88	146	54132	18.964	ug/l #	75
92) 1,2-Dibromo-3-Chloropropan	14.51	75	8484	47.459	ug/l	65

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.15	180	26103	11.885	ug/l #	1
94) Hexachlorobutadiene	15.24	225	4189	3.036	ug/l	98
95) Naphthalene	15.38	128	40264	11.020	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.58	180	41739	21.972	ug/l #	1

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

