

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW120418\
 Data File : VW007197.D
 Acq On : 04 Dec 2018 19:29
 Operator : SY/AP
 Sample : J6206-04MS
 Misc : 5.75G/5ML/MSVOA_W/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 HLSP-SB-5B-(8.5)MS

Manual Integrations
 APPROVED

apatel
 12/5/2018 12:44:13 PM

Quant Time: Dec 05 06:24:37 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W120418S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 04 14:18:19 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	105619	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	171914	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	152128	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	77178	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	53316	54.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.44%	
35) Dibromofluoromethane	7.88	113	49820	50.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.22%	
50) Toluene-d8	10.32	98	221217	51.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.04%	
62) 4-Bromofluorobenzene	12.62	95	81154	49.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.18%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.00	85	52262	45.227	ug/l	97
3) Chloromethane	2.21	50	68343	46.703	ug/l	100
4) Vinyl Chloride	2.36	62	44797	48.892	ug/l	99
5) Bromomethane	2.76	94	25660	55.888	ug/l	94
6) Chloroethane	2.92	64	25408	49.423	ug/l	96
7) Trichlorofluoromethane	3.26	101	85140	47.662	ug/l	97
8) Diethyl Ether	3.69	74	29450	59.145	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.06	101	50711	46.994	ug/l	99
10) Methyl Iodide	4.28	142	42714	46.466	ug/l	98
11) Tert butyl alcohol	5.17	59	21106	222.800	ug/l #	94
12) 1,1-Dichloroethene	4.04	96	49700	49.146	ug/l	98
13) Acrolein	3.90	56	14600	211.891	ug/l	98
14) Allyl chloride	4.68	41	81593	50.336	ug/l	99
15) Acrylonitrile	5.37	53	62548	300.482	ug/l	100
16) Acetone	4.13	43	50919	218.730	ug/l	100
17) Carbon Disulfide	4.39	76	165582	49.673	ug/l	99
18) Methyl Acetate	4.68	43	61370	115.493	ug/l	100
19) Methyl tert-butyl Ether	5.43	73	135396	56.866	ug/l	97
20) Methylene Chloride	4.92	84	81822	72.099	ug/l	98
21) trans-1,2-Dichloroethene	5.43	96	56298	49.857	ug/l	96
22) Diisopropyl ether	6.32	45	159958	54.970	ug/l	98
23) Vinyl Acetate	6.26	43	295577m	186.157	ug/l	
24) 1,1-Dichloroethane	6.22	63	91791	49.216	ug/l	99
25) 2-Butanone	7.17	43	73117	270.949	ug/l	99
26) 2,2-Dichloropropane	7.17	77	86721	48.385	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	61869	51.111	ug/l	99
28) Bromochloromethane	7.51	49	36608	54.435	ug/l	99
29) Tetrahydrofuran	7.53	42	49444	296.500	ug/l	99
30) Chloroform	7.68	83	100692	51.948	ug/l	99
31) Cyclohexane	7.96	56	90794	46.527	ug/l	99
32) 1,1,1-Trichloroethane	7.88	97	92923	50.941	ug/l	99
36) 1,1-Dichloropropene	8.09	75	81287	48.595	ug/l	99
37) Ethyl Acetate	7.26	43	28398	46.933	ug/l	99
38) Carbon Tetrachloride	8.07	117	81869	47.951	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	99301	44.345	ug/l	96
40) Benzene	8.33	78	240822	52.502	ug/l	100
41) Methacrylonitrile	7.49	41	18230	50.300	ug/l	88
42) 1,2-Dichloroethane	8.40	62	67371	52.554	ug/l	100
43) Isopropyl Acetate	8.43	43	60266	51.282	ug/l	99
44) Trichloroethene	9.10	130	65021	50.430	ug/l	97
45) 1,2-Dichloropropane	9.37	63	56238	52.687	ug/l	95
46) Dibromomethane	9.46	93	29884	53.879	ug/l	94
47) Bromodichloromethane	9.65	83	73232	50.194	ug/l	100
48) Methyl methacrylate	9.44	41	36943	60.570	ug/l	96
49) 1,4-Dioxane	9.45	88	10631	1097.194	ug/l	97
51) 4-Methyl-2-Pentanone	10.21	43	174726	301.703	ug/l	100
52) Toluene	10.39	92	192844	60.439	ug/l	99
53) t-1,3-Dichloropropene	10.61	75	77727	52.989	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	90510	52.652	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	42183	53.467	ug/l	97
56) Ethyl methacrylate	10.65	69	49507	48.105	ug/l	98
57) 1,3-Dichloropropane	10.93	76	72883	54.717	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.93	63	110255	266.723	ug/l	99
59) 2-Hexanone	10.98	43	118889	283.189	ug/l	100
60) Dibromochloromethane	11.13	129	51473	53.083	ug/l	97
61) 1,2-Dibromoethane	11.24	107	42545	56.223	ug/l	97
64) Tetrachloroethene	10.87	164	51863	46.662	ug/l	95
65) Chlorobenzene	11.66	112	173134	50.958	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.73	131	54478	51.919	ug/l	99
67) Ethyl Benzene	11.73	91	306470	49.491	ug/l	99
68) m/p-Xylenes	11.84	106	239503	98.589	ug/l	99
69) o-Xylene	12.17	106	114877	50.613	ug/l	95
70) Styrene	12.18	104	191246	51.474	ug/l	99
71) Bromoform	12.35	173	28993	55.196	ug/l #	96
73) Isopropylbenzene	12.47	105	313484	49.941	ug/l	100
74) N-amyl acetate	12.27	43	48681	43.741	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.72	83	46603	57.166	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	31470m	27.134	ug/l	
77) Bromobenzene	12.75	156	70096	51.733	ug/l	97
78) n-propylbenzene	12.81	91	359290	48.043	ug/l	95
79) 2-Chlorotoluene	12.90	91	202455	47.940	ug/l	97
80) 1,3,5-Trimethylbenzene	12.95	105	249935	46.543	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.52	75	16033	57.826	ug/l	97
82) 4-Chlorotoluene	12.99	91	223464	49.740	ug/l	96
83) tert-Butylbenzene	13.21	119	219674	46.811	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	266327	48.586	ug/l	99
85) sec-Butylbenzene	13.39	105	315325	47.067	ug/l	97
86) p-Isopropyltoluene	13.51	119	278594	46.714	ug/l	97
87) 1,3-Dichlorobenzene	13.51	146	137956	49.598	ug/l	95
88) 1,4-Dichlorobenzene	13.58	146	134783	47.972	ug/l	97
89) n-Butylbenzene	13.83	91	249526	44.774	ug/l	98
90) Hexachloroethane	14.10	117	41891	46.094	ug/l	99
91) 1,2-Dichlorobenzene	13.88	146	124190	51.575	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	14.49	75	9368	59.320	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	75034	44.965	ug/l	100
94) Hexachlorobutadiene	15.24	225	35690	39.661	ug/l	100
95) Naphthalene	15.38	128	160006	53.501	ug/l	99
96) 1,2,3-Trichlorobenzene	15.57	180	64669	45.959	ug/l	98

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

