

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW101618\
 Data File : VW006112.D
 Acq On : 17 Oct 2018 07:48
 Operator : VA/AP
 Sample : J5539-09MSD
 Misc : 12.18G/5ML/MSVOA W/SOIL
 ALS Vial : 48 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

apatel
 10/17/2018 10:05:17 AM

Quant Time: Oct 17 09:13:01 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	348261	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	524641	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	425814	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	323367	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	132889	46.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.06%	
35) Dibromofluoromethane	7.88	113	131916	42.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.10%	
50) Toluene-d8	10.33	98	482919	40.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	81.90%	
62) 4-Bromofluorobenzene	12.62	95	360117	81.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	162.58%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	84703	49.149	ug/l	96
3) Chloromethane	2.21	50	99609	44.901	ug/l	99
4) Vinyl Chloride	2.37	62	153218	48.363	ug/l	98
5) Bromomethane	2.78	94	112561	39.063	ug/l	96
6) Chloroethane	2.93	64	98164	43.237	ug/l	98
7) Trichlorofluoromethane	3.26	101	113757	38.545	ug/l	99
8) Diethyl Ether	3.68	74	81910	52.222	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	130681	42.252	ug/l	99
10) Methyl Iodide	4.27	142	242675	47.141	ug/l	99
11) Tert butyl alcohol	5.21	59	55056	283.528	ug/l	100
12) 1,1-Dichloroethene	4.04	96	149775	51.472	ug/l	92
13) Acrolein	3.89	56	3457	18.398	ug/l #	44
14) Allyl chloride	4.67	41	165514	39.781	ug/l	94
15) Acrylonitrile	5.37	53	170495	303.058	ug/l	99
16) Acetone	4.14	43	181895	341.204	ug/l	99
17) Carbon Disulfide	4.38	76	428268	48.766	ug/l	100
18) Methyl Acetate	4.68	43	175635	120.877	ug/l	99
19) Methyl tert-butyl Ether	5.43	73	217163	48.999	ug/l	97
20) Methylene Chloride	4.91	84	180137	59.265	ug/l	96
21) trans-1,2-Dichloroethene	5.42	96	161852	49.832	ug/l	99
22) Diisopropyl ether	6.32	45	373612	45.441	ug/l	95
23) Vinyl Acetate	6.26	43	216079	44.532	ug/l	99
24) 1,1-Dichloroethane	6.21	63	265171	49.982	ug/l	100
25) 2-Butanone	7.18	43	235499	301.924	ug/l	99
26) 2,2-Dichloropropane	7.17	77	136145	36.385	ug/l	98
27) cis-1,2-Dichloroethene	7.17	96	178940	49.924	ug/l	97
28) Bromochloromethane	7.51	49	104856	51.195	ug/l	94
29) Tetrahydrofuran	7.54	42	145524	303.526	ug/l	99
30) Chloroform	7.68	83	291422	50.418	ug/l	99
31) Cyclohexane	7.96	56	170076	32.191	ug/l	97
32) 1,1,1-Trichloroethane	7.87	97	225956	43.336	ug/l	98
36) 1,1-Dichloropropene	8.09	75	201639	41.698	ug/l	99
37) Ethyl Acetate	7.26	43	74550	41.494	ug/l	97
38) Carbon Tetrachloride	8.07	117	184907	34.881	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	254115	39.533	ug/l	89
40) Benzene	8.32	78	607571	45.803	ug/l	100
41) Methacrylonitrile	7.49	41	57598	53.179	ug/l	94
42) 1,2-Dichloroethane	8.40	62	189699	48.676	ug/l	98
43) Isopropyl Acetate	8.43	43	189186	51.500	ug/l	95
44) Trichloroethene	9.09	130	181566	44.615	ug/l	99
45) 1,2-Dichloropropane	9.37	63	146655	46.203	ug/l	98
46) Dibromomethane	9.46	93	91088	50.349	ug/l	100
47) Bromodichloromethane	9.65	83	200198	45.643	ug/l	100
48) Methyl methacrylate	9.44	41	102927	59.109	ug/l	94
49) 1,4-Dioxane	9.48	88	30492	1094.833	ug/l #	96
51) 4-Methyl-2-Pentanone	10.21	43	524234	284.821	ug/l	98
52) Toluene	10.39	92	372551	41.893	ug/l	98
53) t-1,3-Dichloropropene	10.61	75	186686	42.720	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	209022	41.676	ug/l	93
55) 1,1,2-Trichloroethane	10.77	97	307460	121.445	ug/l #	48
56) Ethyl methacrylate	10.65	69	544728	175.513	ug/l #	81
57) 1,3-Dichloropropane	10.93	76	205006	48.917	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	306544	258.485	ug/l	98
59) 2-Hexanone	10.97	43	335241	255.156	ug/l	86
60) Dibromochloromethane	11.13	129	137681	43.661	ug/l	99
61) 1,2-Dibromoethane	11.24	107	126643	50.064	ug/l	93
64) Tetrachloroethene	10.87	164	163350	49.416	ug/l	99
65) Chlorobenzene	11.66	112	407188	44.670	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.74	131	149574	46.173	ug/l	98
67) Ethyl Benzene	11.74	91	631558	39.979	ug/l	100
68) m/p-Xylenes	11.84	106	485766	77.798	ug/l	99
69) o-Xylene	12.17	106	239431	40.236	ug/l	94
70) Styrene	12.19	104	401291	41.470	ug/l	98
71) Bromoform	12.35	173	80743	44.687	ug/l #	98
73) Isopropylbenzene	12.47	105	545512	23.879	ug/l	100
74) N-amyl acetate	12.26	43	1350250	304.308	ug/l #	61
75) 1,1,2,2-Tetrachloroethane	12.71	83	476001	136.994	ug/l #	92
76) 1,2,3-Trichloropropane	12.77	75	95086m	38.498	ug/l	
77) Bromobenzene	12.75	156	170843	30.532	ug/l	96
78) n-propylbenzene	12.81	91	596013	22.425	ug/l	98
79) 2-Chlorotoluene	12.90	91	426989	28.593	ug/l	96
80) 1,3,5-Trimethylbenzene	12.95	105	393404	20.427	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.52	75	27588	26.700	ug/l #	1
82) 4-Chlorotoluene	12.99	91	415307	26.549	ug/l	71
83) tert-Butylbenzene	13.21	119	378979	21.994	ug/l	93
84) 1,2,4-Trimethylbenzene	13.26	105	408465	20.960	ug/l	100
85) sec-Butylbenzene	13.39	105	902377	37.070	ug/l #	73
86) p-Isopropyltoluene	13.51	119	326430	14.826	ug/l	99
87) 1,3-Dichlorobenzene	13.51	146	244569	21.962	ug/l #	1
88) 1,4-Dichlorobenzene	13.58	146	252372	22.762	ug/l #	1
89) n-Butylbenzene	13.83	91	516191	25.635	ug/l #	76
90) Hexachloroethane	14.10	117	74417	19.954	ug/l	64
91) 1,2-Dichlorobenzene	13.88	146	238097	23.970	ug/l #	75
92) 1,2-Dibromo-3-Chloropropan	14.49	75	21751	34.964	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.15	180	130285	17.046	ug/l #	1
94) Hexachlorobutadiene	15.25	225	24515	5.106	ug/l	98
95) Naphthalene	15.38	128	255660	20.108	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.59	180	158493	23.975	ug/l #	55

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

