

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\WV122218\
 Data File : VW007758.D
 Acq On : 20 Dec 2018 20:08
 Operator : SY/AP
 Sample : J6392-18MS
 Misc : 6.46G/5ML/MSVOA_W/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 KY001SB106-121218-(8-10)MS

Manual Integrations
 APPROVED

apatel
 12/21/2018 11:04:09 AM

Quant Time: Dec 21 04:43:19 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W122118S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 20 06:30:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	73383	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	123678	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	107603	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	52125	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	81691	101.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	203.14%	
35) Dibromofluoromethane	7.88	113	71680	95.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	190.00%	
50) Toluene-d8	10.32	98	249234	87.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	175.24%	
62) 4-Bromofluorobenzene	12.62	95	97248	88.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	177.00%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	34830	53.390	ug/l	98
3) Chloromethane	2.22	50	28571	71.322	ug/l	98
4) Vinyl Chloride	2.37	62	34367	67.395	ug/l	100
5) Bromomethane	2.78	94	24748	69.679	ug/l	97
6) Chloroethane	2.93	64	20431	74.891	ug/l	96
7) Trichlorofluoromethane	3.26	101	29480	55.529	ug/l	97
8) Diethyl Ether	3.68	74	21027	64.664	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	4.06	101	41433	52.992	ug/l	98
10) Methyl Iodide	4.27	142	69532	55.921	ug/l	97
11) Tert butyl alcohol	5.18	59	17862	329.210	ug/l	98
12) 1,1-Dichloroethene	4.03	96	40218	55.549	ug/l	98
13) Acrolein	3.89	56	10359	238.787	ug/l	99
14) Allyl chloride	4.67	41	56332	59.332	ug/l	94
15) Acrylonitrile	5.37	53	45697	329.444	ug/l	99
16) Acetone	4.12	43	50097	332.617	ug/l	94
17) Carbon Disulfide	4.38	76	116587	52.036	ug/l	99
18) Methyl Acetate	4.67	43	26529	74.063	ug/l	100
19) Methyl tert-butyl Ether	5.42	73	76896	73.980	ug/l	# 82
20) Methylene Chloride	4.92	84	45793	62.355	ug/l	95
21) trans-1,2-Dichloroethene	5.42	96	44555	55.954	ug/l	99
22) Diisopropyl ether	6.31	45	113806	64.015	ug/l	98
23) Vinyl Acetate	6.26	43	317598	300.687	ug/l	99
24) 1,1-Dichloroethane	6.21	63	76193	58.258	ug/l	99
25) 2-Butanone	7.17	43	58298	330.461	ug/l	98
26) 2,2-Dichloropropane	7.17	77	51076	53.369	ug/l	98
27) cis-1,2-Dichloroethene	7.17	96	49661	58.538	ug/l	99
28) Bromochloromethane	7.51	49	27889	62.543	ug/l	97
29) Tetrahydrofuran	7.53	42	37137	352.919	ug/l	97
30) Chloroform	7.68	83	84799	57.293	ug/l	98
31) Cyclohexane	7.95	56	65968	55.097	ug/l	93
32) 1,1,1-Trichloroethane	7.87	97	72205	53.565	ug/l	99
36) 1,1-Dichloropropene	8.08	75	61084	51.171	ug/l	99
37) Ethyl Acetate	7.25	43	26272	63.772	ug/l	99
38) Carbon Tetrachloride	8.07	117	64016	45.536	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	78127	52.670	ug/l	98
40) Benzene	8.32	78	172653	54.201	ug/l	100
41) Methacrylonitrile	7.48	41	15663	66.966	ug/l	93
42) 1,2-Dichloroethane	8.40	62	59286	55.537	ug/l	97
43) Isopropyl Acetate	8.43	43	55441	67.172	ug/l	96
44) Trichloroethene	9.09	130	48800	50.658	ug/l	100
45) 1,2-Dichloropropane	9.37	63	40380	57.130	ug/l	100
46) Dibromomethane	9.46	93	24104	55.400	ug/l	99
47) Bromodichloromethane	9.65	83	61238	53.538	ug/l	97
48) Methyl methacrylate	9.44	41	25220	61.216	ug/l	97
49) 1,4-Dioxane	9.45	88	9170	1329.330	ug/l	97
51) 4-Methyl-2-Pentanone	10.21	43	125429	321.562	ug/l	100
52) Toluene	10.39	92	121102	56.664	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	63786	56.064	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	69065	54.957	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	37011	61.704	ug/l	98
56) Ethyl methacrylate	10.65	69	45196	63.774	ug/l	96
57) 1,3-Dichloropropane	10.93	76	57925	58.156	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	97597	301.629	ug/l	100
59) 2-Hexanone	10.97	43	90345	329.343	ug/l	100
60) Dibromochloromethane	11.13	129	40108	50.501	ug/l	98
61) 1,2-Dibromoethane	11.24	107	34612	56.983	ug/l	98
64) Tetrachloroethene	10.86	164	39349	51.641	ug/l	98
65) Chlorobenzene	11.66	112	122288	52.507	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	44129	53.028	ug/l	99
67) Ethyl Benzene	11.73	91	215782	53.992	ug/l	97
68) m/p-Xylenes	11.84	106	172095	111.007	ug/l	98
69) o-Xylene	12.17	106	83891	57.728	ug/l	99
70) Styrene	12.18	104	128730	53.889	ug/l	99
71) Bromoform	12.35	173	22541	52.178	ug/l #	99
73) Isopropylbenzene	12.47	105	234395	59.490	ug/l	99
74) N-amyl acetate	12.27	43	48573	71.172	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.72	83	38406	65.012	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	29723m	73.777	ug/l	
77) Bromobenzene	12.75	156	50385	55.799	ug/l	94
78) n-propylbenzene	12.81	91	250191	54.550	ug/l	100
79) 2-Chlorotoluene	12.90	91	142955	53.504	ug/l	98
80) 1,3,5-Trimethylbenzene	12.94	105	179160	52.716	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	11413	59.464	ug/l	96
82) 4-Chlorotoluene	12.99	91	148121	52.066	ug/l	99
83) tert-Butylbenzene	13.21	119	150719	50.543	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	204133	59.525	ug/l	100
85) sec-Butylbenzene	13.39	105	196220	47.745	ug/l	100
86) p-Isopropyltoluene	13.50	119	180592	48.325	ug/l	98
87) 1,3-Dichlorobenzene	13.51	146	92806	51.765	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	94984	52.965	ug/l	100
89) n-Butylbenzene	13.83	91	152248	44.434	ug/l	99
90) Hexachloroethane	14.10	117	28191	42.969	ug/l	96
91) 1,2-Dichlorobenzene	13.87	146	89604	55.822	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	7068	58.260	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	58463	52.469	ug/l	99
94) Hexachlorobutadiene	15.24	225	24352	40.895	ug/l	98
95) Naphthalene	15.37	128	148856	72.259	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	53759	56.364	ug/l	99

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

