

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW121818\
 Data File : VW007607.D
 Acq On : 16 Dec 2018 03:49
 Operator : SY/AP
 Sample : J6378-13MSD
 Misc : 3.94G/5ML/MSVOA_W/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 P001-SD012-0612-01MSD

Manual Integrations
 APPROVED

apatel
 12/17/2018 4:40:50 PM

Quant Time: Dec 17 00:46:55 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W121118S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 11 02:58:16 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	51260	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	86206	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	46746	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	11347	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	36923	64.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	129.86%	
35) Dibromofluoromethane	7.88	113	29946	57.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.78%	
50) Toluene-d8	10.32	98	86737	44.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.66%	
62) 4-Bromofluorobenzene	12.62	95	18171	25.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	50.52%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	21713	60.616	ug/l	99
3) Chloromethane	2.21	50	19131	63.770	ug/l	96
4) Vinyl Chloride	2.37	62	27166	77.163	ug/l	96
5) Bromomethane	2.78	94	16909	71.484	ug/l	99
6) Chloroethane	2.93	64	14631	75.496	ug/l	95
7) Trichlorofluoromethane	3.26	101	17960	56.742	ug/l	99
8) Diethyl Ether	3.68	74	18635	75.222	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.05	101	25569	48.958	ug/l	98
10) Methyl Iodide	4.27	142	49667	57.420	ug/l	99
11) Tert butyl alcohol	5.17	59	16023	410.248	ug/l #	74
12) 1,1-Dichloroethene	4.04	96	30467	60.589	ug/l	97
13) Acrolein	3.89	56	2250	87.062	ug/l	84
14) Allyl chloride	4.66	41	37366	50.413	ug/l	99
15) Acrylonitrile	5.37	53	60087	575.361	ug/l #	83
16) Acetone	4.12	43	51897	522.455	ug/l	93
17) Carbon Disulfide	4.37	76	85366	55.990	ug/l	98
18) Methyl Acetate	4.67	43	50604	187.700	ug/l	98
19) Methyl tert-butyl Ether	5.42	73	54432	71.756	ug/l #	1
20) Methylene Chloride	4.92	84	36421	68.498	ug/l	94
21) trans-1,2-Dichloroethene	5.42	96	33270	59.145	ug/l	99
22) Diisopropyl ether	6.31	45	91853	64.472	ug/l	97
23) Vinyl Acetate	6.25	43	103646	130.064	ug/l	99
24) 1,1-Dichloroethane	6.21	63	59029	61.303	ug/l	99
25) 2-Butanone	7.17	43	65080	501.852	ug/l	100
26) 2,2-Dichloropropane	7.17	77	32486	50.977	ug/l	96
27) cis-1,2-Dichloroethene	7.17	96	41309	67.068	ug/l	99
28) Bromochloromethane	7.51	49	23754	65.584	ug/l	98
29) Tetrahydrofuran	7.53	42	36895	449.414	ug/l	97
30) Chloroform	7.67	83	64559	61.610	ug/l	97
31) Cyclohexane	7.95	56	152567	172.695	ug/l	96
32) 1,1,1-Trichloroethane	7.87	97	48912	53.228	ug/l	99
36) 1,1-Dichloropropene	8.08	75	39866	50.694	ug/l	99
37) Ethyl Acetate	7.25	43	22625	77.353	ug/l	100
38) Carbon Tetrachloride	8.07	117	42116	49.220	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	159464	167.460	ug/l	92
40) Benzene	8.32	78	370724	169.870	ug/l	100
41) Methacrylonitrile	7.48	41	14938	89.685	ug/l	98
42) 1,2-Dichloroethane	8.40	62	49901	72.789	ug/l	90
43) Isopropyl Acetate	8.43	43	51017	88.301	ug/l	96
44) Trichloroethene	9.09	130	30690	49.246	ug/l	99
45) 1,2-Dichloropropane	9.37	63	31294	61.964	ug/l	90
46) Dibromomethane	9.46	93	19638	68.473	ug/l	93
47) Bromodichloromethane	9.65	83	43492	57.813	ug/l	94
48) Methyl methacrylate	9.44	41	25523	86.015	ug/l	98
49) 1,4-Dioxane	9.45	88	7073	1519.919	ug/l	93
51) 4-Methyl-2-Pentanone	10.21	43	116543	426.912	ug/l	98
52) Toluene	10.39	92	3361489	2380.096	ug/l	99
53) t-1,3-Dichloropropene	10.61	75	40983	56.115	ug/l	92
54) cis-1,3-Dichloropropene	10.07	75	47392	56.133	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	31928	81.796	ug/l	96
56) Ethyl methacrylate	10.65	69	35023	74.649	ug/l #	67
57) 1,3-Dichloropropane	10.93	76	41747	65.160	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.93	63	43651	201.755	ug/l	99
59) 2-Hexanone	10.97	43	78453	430.989	ug/l	98
60) Dibromochloromethane	11.13	129	26592	53.983	ug/l	100
61) 1,2-Dibromoethane	11.24	107	22708	58.868	ug/l	98
64) Tetrachloroethene	10.86	164	15920	47.358	ug/l	88
65) Chlorobenzene	11.66	112	1315405	1350.054	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.74	131	20710	60.351	ug/l	99
67) Ethyl Benzene	11.74	91	2656335	1585.727	ug/l #	89
68) m/p-Xylenes	11.85	106	14035949	21553.097	ug/l #	71
69) o-Xylene	12.17	106	2402008	3949.355	ug/l	79
70) Styrene	12.18	104	173972	177.093	ug/l #	1
71) Bromoform	12.35	173	11751	66.902	ug/l #	89
73) Isopropylbenzene	12.47	105	171440	197.182	ug/l	99
74) N-amyl acetate	12.27	43	19749	124.982	ug/l #	92
75) 1,1,2,2-Tetrachloroethane	12.72	83	20088	155.992	ug/l	95
76) 1,2,3-Trichloropropane	12.76	75	27407	292.937	ug/l #	1
77) Bromobenzene	12.75	156	15091	78.304	ug/l	82
78) n-propylbenzene	12.81	91	193268	197.517	ug/l	96
79) 2-Chlorotoluene	12.90	91	49030m	82.812	ug/l	
80) 1,3,5-Trimethylbenzene	12.94	105	239363	327.646	ug/l	91
81) trans-1,4-Dichloro-2-buten	12.52	75	6555	154.769	ug/l	94
82) 4-Chlorotoluene	12.99	91	39684	63.587	ug/l	97
83) tert-Butylbenzene	13.21	119	42894	66.635	ug/l	92
84) 1,2,4-Trimethylbenzene	13.26	105	743620	989.150	ug/l	97
85) sec-Butylbenzene	13.39	105	51588	58.706	ug/l	95
86) p-Isopropyltoluene	13.50	119	213854	270.890	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	98518	256.390	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	696847	1803.904	ug/l	94
89) n-Butylbenzene	13.83	91	53058	72.498	ug/l #	73
90) Hexachloroethane	14.10	117	11950	85.074	ug/l	59
91) 1,2-Dichlorobenzene	13.87	146	24796	72.048	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.49	75	3857	149.249	ug/l	91

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	6725	28.394	ug/l #	84
94) Hexachlorobutadiene	15.24	225	3289	26.172	ug/l	98
95) Naphthalene	15.38	128	323065	713.019	ug/l	99
96) 1,2,3-Trichlorobenzene	15.57	180	6148	29.882	ug/l #	71

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

