

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW121718\
 Data File : VW007564.D
 Acq On : 15 Dec 2018 05:49
 Operator : SY/AP
 Sample : J6391-03MSD
 Misc : 4.82G/5ML/MSVOA_W/SOIL
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 P001-SS015-0612-01MSD

Manual Integrations
 APPROVED

apatel
 12/17/2018 1:45:38 PM

Quant Time: Dec 15 19:43:56 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	36840	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	64004	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	44873	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	12496	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	29165	71.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	142.72%	
35) Dibromofluoromethane	7.88	113	24163	62.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	124.74%	
50) Toluene-d8	10.32	98	66875	46.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.08%	
62) 4-Bromofluorobenzene	12.62	95	17457	32.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	65.36%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	12996	50.482	ug/l	96
3) Chloromethane	2.21	50	11948	55.415	ug/l	97
4) Vinyl Chloride	2.37	62	13537	53.501	ug/l	99
5) Bromomethane	2.78	94	10111	59.476	ug/l	94
6) Chloroethane	2.93	64	8561	61.466	ug/l	89
7) Trichlorofluoromethane	3.26	101	12603	55.403	ug/l	98
8) Diethyl Ether	3.68	74	15138	85.025	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.07	101	15499	41.292	ug/l	95
10) Methyl Iodide	4.26	142	32937	52.983	ug/l	97
11) Tert butyl alcohol	5.17	59	11845	421.985	ug/l #	87
12) 1,1-Dichloroethene	4.03	96	19020	52.630	ug/l	99
13) Acrolein	3.89	56	1043	56.155	ug/l	96
14) Allyl chloride	4.67	41	31914	59.910	ug/l	98
15) Acrylonitrile	5.36	53	25121	334.700	ug/l	97
16) Acetone	4.12	43	30203	423.073	ug/l #	89
17) Carbon Disulfide	4.37	76	51082	46.618	ug/l	99
18) Methyl Acetate	4.67	43	40852	210.840	ug/l	98
19) Methyl tert-butyl Ether	5.43	73	51144	93.811	ug/l	99
20) Methylene Chloride	4.91	84	30219	79.736	ug/l	95
21) trans-1,2-Dichloroethene	5.42	96	23264	57.546	ug/l	96
22) Diisopropyl ether	6.31	45	78501	76.667	ug/l	96
23) Vinyl Acetate	6.31	43	46153	80.587	ug/l #	74
24) 1,1-Dichloroethane	6.22	63	44594	64.440	ug/l	98
25) 2-Butanone	7.17	43	34073	365.593	ug/l	95
26) 2,2-Dichloropropane	7.17	77	25138	54.887	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	27802	62.807	ug/l	99
28) Bromochloromethane	7.51	49	18425	70.783	ug/l	97
29) Tetrahydrofuran	7.53	42	26455	448.380	ug/l	97
30) Chloroform	7.68	83	49218	65.355	ug/l	99
31) Cyclohexane	7.96	56	16696	26.296	ug/l	95
32) 1,1,1-Trichloroethane	7.87	97	35681	54.029	ug/l	99
36) 1,1-Dichloropropene	8.08	75	25846	44.267	ug/l	98
37) Ethyl Acetate	7.25	43	5506	25.354	ug/l #	77
38) Carbon Tetrachloride	8.07	117	29208	45.976	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	11101	15.702	ug/l	87
40) Benzene	8.32	78	91568	56.512	ug/l	99
41) Methacrylonitrile	7.50	41	6789m	54.899	ug/l	
42) 1,2-Dichloroethane	8.40	62	37955	74.569	ug/l	100
43) Isopropyl Acetate	8.43	43	16101	37.535	ug/l #	84
44) Trichloroethene	9.09	130	22128	47.824	ug/l	99
45) 1,2-Dichloropropane	9.37	63	23872	63.665	ug/l	96
46) Dibromomethane	9.46	93	15904	74.689	ug/l	96
47) Bromodichloromethane	9.65	83	35737	63.983	ug/l	94
48) Methyl methacrylate	9.44	41	16862	76.539	ug/l	97
49) 1,4-Dioxane	9.45	88	5696	1648.607	ug/l	97
51) 4-Methyl-2-Pentanone	10.21	43	82536	407.217	ug/l	100
52) Toluene	10.39	92	51006	48.642	ug/l	98
53) t-1,3-Dichloropropene	10.61	75	33976	62.658	ug/l	97
54) cis-1,3-Dichloropropene	10.07	75	36947	58.942	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	21003	72.472	ug/l	98
56) Ethyl methacrylate	10.65	69	6699	19.231	ug/l #	73
57) 1,3-Dichloropropane	10.93	76	34663	72.871	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	41298	257.093	ug/l	99
59) 2-Hexanone	10.97	43	48061	355.615	ug/l	98
60) Dibromochloromethane	11.13	129	23402	63.986	ug/l	97
61) 1,2-Dibromoethane	11.24	107	20600	71.928	ug/l	92
64) Tetrachloroethene	10.87	164	11838	36.685	ug/l	96
65) Chlorobenzene	11.66	112	48242	51.579	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.73	131	21922	66.549	ug/l	98
67) Ethyl Benzene	11.73	91	73889	45.950	ug/l	92
68) m/p-Xylenes	11.84	106	55147	88.216	ug/l	99
69) o-Xylene	12.17	106	27993	47.947	ug/l	94
70) Styrene	12.18	104	45478	48.226	ug/l	96
71) Bromoform	12.35	173	11823	70.122	ug/l #	95
73) Isopropylbenzene	12.47	105	56027	58.514	ug/l	100
74) N-amyl acetate	12.28	43	3174	18.240	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.72	83	18860	132.990	ug/l	93
76) 1,2,3-Trichloropropane	12.77	75	16167m	156.911	ug/l	
77) Bromobenzene	12.75	156	16453	77.521	ug/l	86
78) n-propylbenzene	12.81	91	53260	49.426	ug/l	99
79) 2-Chlorotoluene	12.90	91	36596	56.128	ug/l	98
80) 1,3,5-Trimethylbenzene	12.94	105	41778	51.928	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	5663	121.414	ug/l	97
82) 4-Chlorotoluene	12.99	91	37862	55.089	ug/l	96
83) tert-Butylbenzene	13.21	119	32380	45.676	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	42933	51.858	ug/l	98
85) sec-Butylbenzene	13.39	105	32931	34.029	ug/l	97
86) p-Isopropyltoluene	13.51	119	31124	35.800	ug/l	98
87) 1,3-Dichlorobenzene	13.51	146	20120	47.547	ug/l	97
88) 1,4-Dichlorobenzene	13.58	146	21188	49.805	ug/l	97
89) n-Butylbenzene	13.83	91	20492	25.425	ug/l	99
90) Hexachloroethane	14.10	117	5510	35.620	ug/l	97
91) 1,2-Dichlorobenzene	13.88	146	19244	50.775	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.49	75	3168	111.316	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	5784	22.175	ug/l	94
94) Hexachlorobutadiene	15.24	225	1805	13.043	ug/l	97
95) Naphthalene	15.37	128	19403	38.886	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	4490	19.817	ug/l	96

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

