

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\WV122518\
 Data File : VW007895.D
 Acq On : 24 Dec 2018 18:01
 Operator : SY/AP
 Sample : J6446-15MSD
 Misc : 3.36G/5ML/MSVOA W/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 P001-SS022-0612-01MSD

Manual Integrations
 APPROVED

MMDadoda
 12/26/2018 4:39:15 PM

Quant Time: Dec 25 03:37:01 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	46134	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	75648	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	51840	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	15281	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	34108	67.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	134.90%	
35) Dibromofluoromethane	7.88	113	28536	61.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	123.66%	
50) Toluene-d8	10.32	98	90434	51.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.96%	
62) 4-Bromofluorobenzene	12.62	95	23613	35.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	70.26%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	22479	54.810	ug/l	100
3) Chloromethane	2.21	50	21813	86.614	ug/l	98
4) Vinyl Chloride	2.37	62	25102	78.301	ug/l	97
5) Bromomethane	2.78	94	15710	70.357	ug/l	99
6) Chloroethane	2.93	64	13745	80.141	ug/l	97
7) Trichlorofluoromethane	3.26	101	17419	52.190	ug/l	98
8) Diethyl Ether	3.68	74	15514	75.889	ug/l	87
9) 1,1,2-Trichlorotrifluoroet	4.06	101	22977	46.744	ug/l	100
10) Methyl Iodide	4.26	142	40825	52.226	ug/l	98
11) Tert butyl alcohol	5.17	59	11732	343.946	ug/l	98
12) 1,1-Dichloroethene	4.03	96	25743	56.557	ug/l	95
13) Acrolein	3.89	56	3276	120.119	ug/l	98
14) Allyl chloride	4.67	41	41700	69.862	ug/l	91
15) Acrylonitrile	5.37	53	31531	361.582	ug/l	99
16) Acetone	4.12	43	24451	258.228	ug/l	97
17) Carbon Disulfide	4.38	76	69884	49.615	ug/l	100
18) Methyl Acetate	4.67	43	49828	221.273	ug/l	94
19) Methyl tert-butyl Ether	5.43	73	51547	78.884	ug/l	92
20) Methylene Chloride	4.91	84	27975	60.388	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	28404	56.740	ug/l	96
22) Diisopropyl ether	6.31	45	84945	76.003	ug/l	99
23) Vinyl Acetate	6.26	43	44450	66.939	ug/l	96
24) 1,1-Dichloroethane	6.21	63	50804	61.789	ug/l	98
25) 2-Butanone	7.17	43	38274	345.100	ug/l	97
26) 2,2-Dichloropropane	7.17	77	34009	56.525	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	30643	57.455	ug/l	98
28) Bromochloromethane	7.51	49	20308	72.441	ug/l	89
29) Tetrahydrofuran	7.53	42	26249	396.785	ug/l	95
30) Chloroform	7.68	83	52335	56.244	ug/l	98
31) Cyclohexane	7.96	56	30318	40.278	ug/l	95
32) 1,1,1-Trichloroethane	7.87	97	43554	51.394	ug/l	99
36) 1,1-Dichloropropene	8.08	75	34107	46.713	ug/l	98
37) Ethyl Acetate	7.25	43	11604	46.051	ug/l	99
38) Carbon Tetrachloride	8.07	117	37303	43.382	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	25127	27.695	ug/l	100
40) Benzene	8.32	78	105599	54.199	ug/l	97
41) Methacrylonitrile	7.48	41	9923	69.361	ug/l	93
42) 1,2-Dichloroethane	8.40	62	37927	58.087	ug/l	98
43) Isopropyl Acetate	8.43	43	27015	53.513	ug/l	98
44) Trichloroethene	9.09	130	26361	44.739	ug/l	100
45) 1,2-Dichloropropane	9.37	63	25719	59.490	ug/l	98
46) Dibromomethane	9.46	93	15006	56.387	ug/l	96
47) Bromodichloromethane	9.65	83	35673	50.989	ug/l	97
48) Methyl methacrylate	9.44	41	22045	87.484	ug/l	92
49) 1,4-Dioxane	9.45	88	5231	1239.776	ug/l #	92
51) 4-Methyl-2-Pentanone	10.21	43	85925	360.148	ug/l	96
52) Toluene	10.39	92	59679	45.653	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	35723	51.334	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	40527	52.724	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	20185	55.018	ug/l	94
56) Ethyl methacrylate	10.65	69	16784	38.720	ug/l	96
57) 1,3-Dichloropropane	10.93	76	33722	55.353	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	63897	322.859	ug/l	97
59) 2-Hexanone	10.97	43	55385	330.089	ug/l	100
60) Dibromochloromethane	11.13	129	21760	44.795	ug/l	100
61) 1,2-Dibromoethane	11.24	107	19473	52.414	ug/l	99
64) Tetrachloroethene	10.86	164	15938	43.417	ug/l	95
65) Chlorobenzene	11.66	112	54404	48.487	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	22226	55.437	ug/l	96
67) Ethyl Benzene	11.73	91	94966	49.322	ug/l	96
68) m/p-Xylenes	11.84	106	69999	93.720	ug/l	98
69) o-Xylene	12.17	106	34464	49.226	ug/l	99
70) Styrene	12.18	104	51701	44.924	ug/l	99
71) Bromoform	12.35	173	10516	50.527	ug/l #	99
73) Isopropylbenzene	12.47	105	81124	70.233	ug/l	99
74) N-amyl acetate	12.27	43	11264	56.299	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.72	83	18009	103.987	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	17816m	150.845	ug/l	
77) Bromobenzene	12.75	156	18026	68.096	ug/l	85
78) n-propylbenzene	12.80	91	79656	59.242	ug/l	100
79) 2-Chlorotoluene	12.90	91	47371	60.478	ug/l	97
80) 1,3,5-Trimethylbenzene	12.94	105	60626	60.849	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	6106	108.519	ug/l	96
82) 4-Chlorotoluene	12.99	91	49579	59.446	ug/l	98
83) tert-Butylbenzene	13.21	119	53334	61.008	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	60185	59.864	ug/l	99
85) sec-Butylbenzene	13.39	105	58960	48.937	ug/l	99
86) p-Isopropyltoluene	13.50	119	52150	47.601	ug/l	99
87) 1,3-Dichlorobenzene	13.51	146	24971	47.511	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	26259	49.947	ug/l	100
89) n-Butylbenzene	13.83	91	37170	37.004	ug/l	99
90) Hexachloroethane	14.10	117	8526	44.329	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	22618	48.064	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	3324	93.460	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	8051	24.647	ug/l	94
94) Hexachlorobutadiene	15.24	225	3852	22.066	ug/l	97
95) Naphthalene	15.37	128	23687	39.222	ug/l	99
96) 1,2,3-Trichlorobenzene	15.57	180	6710	23.997	ug/l	99

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

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