

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW042120\
 Data File : VW015289.D
 Acq On : 22 Apr 2020 03:34
 Operator : SY/VA
 Sample : L2314-18MSD
 Misc : 4.92G/5ML/MSVOA W/SOIL
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 WB-4-1MSD

Manual Integrations
 APPROVED

MMDadoda
 4/22/2020 11:41:35 AM

Quant Time: Apr 22 08:15:14 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W042020S.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 21 06:39:58 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	35776	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	60879	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	37249	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	8098	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	34569	118.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	236.32%	
35) Dibromofluoromethane	7.88	113	31476	93.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	186.68%	
50) Toluene-d8	10.32	98	71761	50.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.18%	
62) 4-Bromofluorobenzene	12.62	95	12966	23.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	47.92%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.00	85	6871	24.320	ug/l	100
3) Chloromethane	2.22	50	22869	74.332	ug/l	98
4) Vinyl Chloride	2.36	62	13342	36.724	ug/l	99
5) Bromomethane	2.76	94	11608	44.937	ug/l	94
6) Chloroethane	2.92	64	16805	74.572	ug/l	96
7) Trichlorofluoromethane	3.26	101	19330	37.600	ug/l	100
8) Diethyl Ether	3.69	74	31871	220.866	ug/l	87
9) 1,1,2-Trichlorotrifluoroet	4.06	101	13888	43.807	ug/l	94
10) Methyl Iodide	4.28	142	3915	11.757	ug/l	97
11) Tert butyl alcohol	5.17	59	32602	1367.063	ug/l	98
12) 1,1-Dichloroethene	4.04	96	12153	39.826	ug/l	90
15) Acrylonitrile	5.37	53	51243	933.146	ug/l	98
16) Acetone	4.12	43	78404	1534.365	ug/l	96
17) Carbon Disulfide	4.39	76	29067	32.054	ug/l	98
18) Methyl Acetate	4.68	43	13887	102.670	ug/l	98
19) Methyl tert-butyl Ether	5.43	73	187671	267.911	ug/l	96
20) Methylene Chloride	4.92	84	46512	138.887	ug/l	92
21) trans-1,2-Dichloroethene	5.42	96	13389	38.688	ug/l	86
22) Diisopropyl ether	6.31	45	165237	212.770	ug/l #	95
23) Vinyl Acetate	6.32	43	87103	191.130	ug/l #	71
24) 1,1-Dichloroethane	6.22	63	60012	111.501	ug/l	97
25) 2-Butanone	7.17	43	54233	799.965	ug/l	91
26) 2,2-Dichloropropane	7.17	77	20979	37.050	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	26021	69.645	ug/l	95
28) Bromochloromethane	7.51	49	21425	109.487	ug/l #	69
29) Tetrahydrofuran	7.53	42	57491	1361.154	ug/l #	87
30) Chloroform	7.68	83	68029	117.111	ug/l	99
31) Cyclohexane	7.96	56	19216	35.518	ug/l	87
32) 1,1,1-Trichloroethane	7.88	97	46245	82.487	ug/l	98
36) 1,1-Dichloropropene	8.09	75	15765	28.691	ug/l	98
37) Ethyl Acetate	7.17	43	54233	304.123	ug/l #	24
38) Carbon Tetrachloride	8.07	117	26210m	43.650	ug/l	
39) Methylcyclohexane	9.34	83	19720	26.964	ug/l	96
40) Benzene	8.32	78	128043	87.236	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.48	41	16805	157.060	ug/l	93
42) 1,2-Dichloroethane	8.40	62	44886	103.880	ug/l	100
44) Trichloroethene	9.09	130	18694	41.638	ug/l	94
45) 1,2-Dichloropropane	9.37	63	37900	111.035	ug/l	95
46) Dibromomethane	9.46	93	17658	89.431	ug/l #	86
47) Bromodichloromethane	9.65	83	49973	94.677	ug/l	94
48) Methyl methacrylate	9.44	41	17315	97.932	ug/l #	86
49) 1,4-Dioxane	9.45	88	13647	5184.622	ug/l	90
51) 4-Methyl-2-Pentanone	10.21	43	168504	959.749	ug/l	96
52) Toluene	10.39	92	53443	52.026	ug/l	98
53) t-1,3-Dichloropropene	10.60	75	13225	25.410	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	17588	29.074	ug/l	100
55) 1,1,2-Trichloroethane	10.79	97	32683	118.212	ug/l	98
57) 1,3-Dichloropropane	10.93	76	40373	88.153	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.93	63	29138	176.456	ug/l	90
59) 2-Hexanone	10.97	43	63901	509.866	ug/l	96
60) Dibromochloromethane	11.12	129	31823	87.175	ug/l	98
61) 1,2-Dibromoethane	11.23	107	17813	66.028	ug/l	99
64) Tetrachloroethene	10.86	164	25368	95.423	ug/l	94
65) Chlorobenzene	11.66	112	41331	56.546	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	40777	155.218	ug/l	98
67) Ethyl Benzene	11.73	91	78184	57.358	ug/l	98
68) m/p-Xylenes	11.83	106	61875	115.806	ug/l	96
69) o-Xylene	12.16	106	43111	86.445	ug/l	97
70) Styrene	12.18	104	29133	34.270	ug/l	86
71) Bromoform	12.35	173	18144	122.575	ug/l #	95
73) Isopropylbenzene	12.46	105	86689	154.396	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	32193	403.834	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	27958	446.280	ug/l #	100
77) Bromobenzene	12.75	156	14695	113.917	ug/l	97
78) n-propylbenzene	12.80	91	53366	81.633	ug/l	96
79) 2-Chlorotoluene	12.89	91	43114	117.026	ug/l	95
80) 1,3,5-Trimethylbenzene	12.94	105	64413	133.178	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	454m	15.842	ug/l	
82) 4-Chlorotoluene	12.99	91	26555	67.887	ug/l	96
83) tert-Butylbenzene	13.20	119	62096	146.893	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	58207	122.015	ug/l	99
85) sec-Butylbenzene	13.38	105	53312	91.318	ug/l	97
86) p-Isopropyltoluene	13.50	119	47179	86.969	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	14361	56.031	ug/l	95
88) 1,4-Dichlorobenzene	13.58	146	13421	53.418	ug/l	97
89) n-Butylbenzene	13.82	91	18230	36.766	ug/l	97
90) Hexachloroethane	14.09	117	12062	121.243	ug/l	70
91) 1,2-Dichlorobenzene	13.87	146	20670	92.805	ug/l	94
92) 1,2-Dibromo-3-Chloropropan	14.48	75	4520	313.313	ug/l	84
93) 1,2,4-Trichlorobenzene	15.13	180	4047	26.141	ug/l	98
94) Hexachlorobutadiene	15.23	225	3467	33.591	ug/l	95
95) Naphthalene	15.36	128	23539	94.523	ug/l	99
96) 1,2,3-Trichlorobenzene	15.55	180	5287	41.974	ug/l	96

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

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