

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD022420\
 Data File : VD065300.D
 Acq On : 24 Feb 2020 17:49
 Operator : VA/SY
 Sample : L1635-13MSD
 Misc : 6.55G/5.00ml/MSVOA D/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 LIED-TS001-01MSD

Manual Integrations
 APPROVED

MMDadoda
 2/25/2020 5:15:51 PM

Quant Time: Feb 25 02:54:24 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D021820S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 19 03:26:54 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.99	168	401685	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	599082	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	497158	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	196108	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.34	65	182588	50.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.06%	
35) Dibromofluoromethane	7.92	113	193479	52.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.94%	
50) Toluene-d8	10.34	98	714681	51.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.36%	
62) 4-Bromofluorobenzene	12.64	95	196479	44.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.82%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.99	85	182909	54.290	ug/l	98
3) Chloromethane	2.21	50	213431	49.771	ug/l	100
4) Vinyl Chloride	2.35	62	220095	50.474	ug/l	99
5) Bromomethane	2.77	94	136119	51.629	ug/l	99
6) Chloroethane	2.93	64	134019	50.351	ug/l	99
7) Trichlorofluoromethane	3.28	101	316397	50.681	ug/l	98
8) Diethyl Ether	3.71	74	97416	51.694	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.09	101	186633	47.339	ug/l	98
10) Methyl Iodide	4.30	142	227634	55.610	ug/l	99
11) Tert butyl alcohol	5.24	59	47582	220.354	ug/l	97
12) 1,1-Dichloroethene	4.07	96	192187	51.605	ug/l	100
13) Acrolein	3.93	56	20054	52.735	ug/l	97
14) Allyl chloride	4.71	41	316032	52.256	ug/l	99
15) Acrylonitrile	5.43	53	198146	237.495	ug/l	100
16) Acetone	4.17	43	146191	165.498	ug/l	99
17) Carbon Disulfide	4.40	76	597576	47.860	ug/l	100
18) Methyl Acetate	4.72	43	384535	193.555	ug/l	98
19) Methyl tert-butyl Ether	5.49	73	410795	52.895	ug/l	96
20) Methylene Chloride	4.96	84	224392	57.779	ug/l	95
21) trans-1,2-Dichloroethene	5.47	96	216890	51.229	ug/l	98
22) Diisopropyl ether	6.37	45	583890	50.082	ug/l	96
23) Vinyl Acetate	6.37	43	306966	47.759	ug/l #	73
24) 1,1-Dichloroethane	6.27	63	374744	51.821	ug/l	98
25) 2-Butanone	7.23	43	228427	204.388	ug/l	96
26) 2,2-Dichloropropane	7.21	77	316022	50.368	ug/l	100
27) cis-1,2-Dichloroethene	7.22	96	231886	51.707	ug/l	100
28) Bromochloromethane	7.55	49	143158	53.360	ug/l	100
29) Tetrahydrofuran	7.57	42	160451	245.024	ug/l	98
30) Chloroform	7.71	83	376221	51.639	ug/l	97
31) Cyclohexane	7.99	56	302125	42.522	ug/l	99
32) 1,1,1-Trichloroethane	7.90	97	327624	50.261	ug/l	99
36) 1,1-Dichloropropene	8.11	75	290689	49.868	ug/l	99
37) Ethyl Acetate	7.30	43	48687	19.980	ug/l #	80
38) Carbon Tetrachloride	8.10	117	292760	49.336	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	243326	35.507	ug/l	98
40) Benzene	8.36	78	845358	51.380	ug/l	98
41) Methacrylonitrile	7.54	41	62944	44.736	ug/l	99
42) 1,2-Dichloroethane	8.43	62	224924	49.727	ug/l	100
43) Isopropyl Acetate	8.46	43	131754	29.732	ug/l #	87
44) Trichloroethene	9.11	130	226607	49.686	ug/l	95
45) 1,2-Dichloropropane	9.39	63	212965	52.054	ug/l	100
46) Dibromomethane	9.48	93	106538	50.612	ug/l	98
47) Bromodichloromethane	9.67	83	281300	50.708	ug/l	98
48) Methyl methacrylate	9.46	41	149061	72.774	ug/l	98
49) 1,4-Dioxane	9.47	88	24014	972.674	ug/l	97
51) 4-Methyl-2-Pentanone	10.23	43	544300	241.834	ug/l	99
52) Toluene	10.41	92	521908	51.247	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	256485	49.880	ug/l	97
54) cis-1,3-Dichloropropene	10.10	75	314926	50.719	ug/l	96
55) 1,1,2-Trichloroethane	10.81	97	148263	50.041	ug/l	99
56) Ethyl methacrylate	10.67	69	81934	23.959	ug/l	95
57) 1,3-Dichloropropane	10.95	76	253873	50.345	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.95	63	243436	225.791	ug/l	97
59) 2-Hexanone	10.99	43	346211	214.884	ug/l	97
60) Dibromochloromethane	11.14	129	188377	49.675	ug/l	98
61) 1,2-Dibromoethane	11.25	107	138696	49.442	ug/l	98
64) Tetrachloroethene	10.88	164	170201	48.270	ug/l	94
65) Chlorobenzene	11.67	112	507310	50.849	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.75	131	198608	53.346	ug/l	98
67) Ethyl Benzene	11.75	91	899352	51.470	ug/l	99
68) m/p-Xylenes	11.86	106	688530	102.995	ug/l	100
69) o-Xylene	12.18	106	312561	52.774	ug/l	100
70) Styrene	12.20	104	532272	50.618	ug/l	100
71) Bromoform	12.37	173	102807	49.763	ug/l #	98
73) Isopropylbenzene	12.48	105	755198	58.167	ug/l	100
74) N-amyl acetate	12.30	43	14829	5.140	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	143374	61.187	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	95232m	57.075	ug/l	
77) Bromobenzene	12.77	156	195364	60.597	ug/l	99
78) n-propylbenzene	12.83	91	833960	53.451	ug/l	99
79) 2-Chlorotoluene	12.91	91	481118	55.045	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	586970	54.891	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.54	75	45581	58.984	ug/l	96
82) 4-Chlorotoluene	13.01	91	500198	53.905	ug/l	99
83) tert-Butylbenzene	13.23	119	468543	52.279	ug/l	98
84) 1,2,4-Trimethylbenzene	13.28	105	581920	54.369	ug/l	98
85) sec-Butylbenzene	13.41	105	568517	44.022	ug/l	100
86) p-Isopropyltoluene	13.53	119	528171	44.722	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	295772	47.455	ug/l	97
88) 1,4-Dichlorobenzene	13.60	146	298872	48.587	ug/l	99
89) n-Butylbenzene	13.86	91	388194	35.670	ug/l	99
90) Hexachloroethane	14.12	117	106676	44.485	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	258952	48.388	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	19742	54.672	ug/l	91

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	106514	30.428	ug/l	98
94) Hexachlorobutadiene	15.28	225	46938	20.903	ug/l	99
95) Naphthalene	15.41	128	221559	38.933	ug/l	100
96) 1,2,3-Trichlorobenzene	15.61	180	84703	27.706	ug/l	97

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

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