

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD022420\
 Data File : VD065299.D
 Acq On : 24 Feb 2020 17:21
 Operator : VA/SY
 Sample : L1635-12MS
 Misc : 6.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleID :
 LIED-TS001-01MS

Manual Integrations
 APPROVED

MMDadoda
 2/25/2020 5:15:48 PM

Quant Time: Feb 25 02:52:32 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	7.98	168	361771	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	547394	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	461639	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	177356	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.34	65	162226	49.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.70%	
35) Dibromofluoromethane	7.92	113	172498	51.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.36%	
50) Toluene-d8	10.34	98	628966	49.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.58%	
62) 4-Bromofluorobenzene	12.64	95	170488	42.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	84.36%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.99	85	156555	51.595	ug/l	100
3) Chloromethane	2.21	50	185176	47.946	ug/l	99
4) Vinyl Chloride	2.35	62	186502	47.489	ug/l	96
5) Bromomethane	2.77	94	112386	47.330	ug/l	97
6) Chloroethane	2.93	64	117070	48.836	ug/l	99
7) Trichlorofluoromethane	3.27	101	274334	48.791	ug/l	99
8) Diethyl Ether	3.70	74	86105	50.733	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.09	101	161894	45.595	ug/l	99
10) Methyl Iodide	4.30	142	187187	50.774	ug/l	99
11) Tert butyl alcohol	5.24	59	39935	205.345	ug/l	99
12) 1,1-Dichloroethene	4.06	96	165941	49.473	ug/l	99
13) Acrolein	3.93	56	21742	70.234	ug/l	92
14) Allyl chloride	4.71	41	273057	50.131	ug/l	98
15) Acrylonitrile	5.43	53	177267	235.912	ug/l	99
16) Acetone	4.16	43	131861	165.745	ug/l	96
17) Carbon Disulfide	4.40	76	523528	46.556	ug/l	98
18) Methyl Acetate	4.73	43	314232	175.618	ug/l	97
19) Methyl tert-butyl Ether	5.49	73	355873	50.878	ug/l	96
20) Methylene Chloride	4.96	84	198792	56.752	ug/l	98
21) trans-1,2-Dichloroethene	5.47	96	189765	49.767	ug/l	98
22) Diisopropyl ether	6.37	45	510024	48.572	ug/l	95
23) Vinyl Acetate	6.37	43	295968	51.128	ug/l #	73
24) 1,1-Dichloroethane	6.27	63	326971	50.203	ug/l	99
25) 2-Butanone	7.23	43	203008	201.684	ug/l	99
26) 2,2-Dichloropropane	7.21	77	269874	47.758	ug/l	100
27) cis-1,2-Dichloroethene	7.22	96	198883	49.241	ug/l	99
28) Bromochloromethane	7.55	49	132710	54.923	ug/l	97
29) Tetrahydrofuran	7.57	42	138097	234.154	ug/l	100
30) Chloroform	7.71	83	331397	50.505	ug/l	100
31) Cyclohexane	7.98	56	247563	38.687	ug/l	98
32) 1,1,1-Trichloroethane	7.91	97	283295	48.255	ug/l	99
36) 1,1-Dichloropropene	8.11	75	244830	45.967	ug/l	100
37) Ethyl Acetate	7.30	43	54821	24.621	ug/l #	80
38) Carbon Tetrachloride	8.10	117	247641	45.674	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	196144	31.325	ug/l	99
40) Benzene	8.36	78	734789	48.876	ug/l	97
41) Methacrylonitrile	7.53	41	54909	42.710	ug/l	99
42) 1,2-Dichloroethane	8.43	62	198792	48.099	ug/l	100
43) Isopropyl Acetate	8.46	43	127720	31.544	ug/l #	91
44) Trichloroethene	9.11	130	192946	46.300	ug/l	93
45) 1,2-Dichloropropane	9.39	63	187134	50.059	ug/l	99
46) Dibromomethane	9.48	93	91929	47.795	ug/l	98
47) Bromodichloromethane	9.67	83	243980	48.133	ug/l	98
48) Methyl methacrylate	9.46	41	123995	66.252	ug/l	98
49) 1,4-Dioxane	9.47	88	20436	905.909	ug/l	97
51) 4-Methyl-2-Pentanone	10.23	43	468409	227.767	ug/l	99
52) Toluene	10.41	92	447379	48.077	ug/l	98
53) t-1,3-Dichloropropene	10.63	75	223258	47.518	ug/l	96
54) cis-1,3-Dichloropropene	10.10	75	274942	48.461	ug/l	99
55) 1,1,2-Trichloroethane	10.81	97	129452	47.818	ug/l	99
56) Ethyl methacrylate	10.67	69	86647	27.730	ug/l	94
57) 1,3-Dichloropropane	10.95	76	224048	48.626	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.95	63	220447	223.775	ug/l	99
59) 2-Hexanone	10.99	43	303276	206.010	ug/l	96
60) Dibromochloromethane	11.14	129	165043	47.632	ug/l	100
61) 1,2-Dibromoethane	11.26	107	121245	47.302	ug/l	99
64) Tetrachloroethene	10.88	164	147917	45.178	ug/l	94
65) Chlorobenzene	11.67	112	434094	46.858	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.75	131	172201	49.811	ug/l	99
67) Ethyl Benzene	11.75	91	759522	46.812	ug/l	99
68) m/p-Xylenes	11.86	106	589179	94.914	ug/l	99
69) o-Xylene	12.19	106	267175	48.582	ug/l	99
70) Styrene	12.20	104	456233	46.725	ug/l	99
71) Bromoform	12.37	173	91330	47.609	ug/l #	100
73) Isopropylbenzene	12.48	105	636095	54.174	ug/l	99
74) N-amyl acetate	12.30	43	25693	9.848	ug/l #	92
75) 1,1,2,2-Tetrachloroethane	12.74	83	128226	60.509	ug/l	100
76) 1,2,3-Trichloropropane	12.80	75	86672m	57.437	ug/l	
77) Bromobenzene	12.77	156	169217	58.037	ug/l	100
78) n-propylbenzene	12.83	91	698965	49.535	ug/l	99
79) 2-Chlorotoluene	12.91	91	411767	52.091	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	494099	51.091	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.54	75	40657	58.175	ug/l	94
82) 4-Chlorotoluene	13.01	91	430141	51.256	ug/l	99
83) tert-Butylbenzene	13.23	119	387953	47.863	ug/l	99
84) 1,2,4-Trimethylbenzene	13.28	105	495992	51.240	ug/l	99
85) sec-Butylbenzene	13.41	105	469474	40.196	ug/l	100
86) p-Isopropyltoluene	13.53	119	441993	41.382	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	255123	45.261	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	253494	45.567	ug/l	99
89) n-Butylbenzene	13.86	91	315564	32.062	ug/l	99
90) Hexachloroethane	14.12	117	87639	40.411	ug/l	100
91) 1,2-Dichlorobenzene	13.90	146	223480	46.175	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.51	75	16775	51.368	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.18	180	86916	27.455	ug/l	96
94) Hexachlorobutadiene	15.28	225	37128	18.282	ug/l	98
95) Naphthalene	15.41	128	184727	35.893	ug/l	100
96) 1,2,3-Trichlorobenzene	15.61	180	72167	26.101	ug/l	98

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

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