

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD022420\
 Data File : VD065289.D
 Acq On : 24 Feb 2020 12:38
 Operator : VA/SY
 Sample : L1635-02MS
 Misc : 6.33G/5.00ml/MSVOA D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 DUNR-TS001-01MS

Manual Integrations
 APPROVED

MMDadoda
 2/25/2020 5:15:37 PM

Quant Time: Feb 25 02:09:18 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	27825	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	42763	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	41454	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	16369	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	23473	93.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	187.54%	
35) Dibromofluoromethane	7.92	113	18536	71.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	142.18%	
50) Toluene-d8	10.34	98	55256	55.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.86%	
62) 4-Bromofluorobenzene	12.64	95	14401	45.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.20%	

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.99	85	11804	50.579	ug/l	98
3) Chloromethane	2.20	50	16295	54.856	ug/l	100
4) Vinyl Chloride	2.35	62	14704	48.679	ug/l	97
5) Bromomethane	2.78	94	12975	71.044	ug/l	91
6) Chloroethane	2.93	64	10318	55.961	ug/l #	87
7) Trichlorofluoromethane	3.27	101	21194	49.009	ug/l	100
8) Diethyl Ether	3.70	74	13056	100.017	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.09	101	12151	44.493	ug/l	98
10) Methyl Iodide	4.29	142	15187	53.560	ug/l	100
11) Tert butyl alcohol	5.24	59	17728	1185.190	ug/l	99
12) 1,1-Dichloroethene	4.06	96	12503	48.465	ug/l	95
13) Acrolein	3.92	56	16546	989.592	ug/l	100
14) Allyl chloride	4.71	41	28245	67.421	ug/l	87
15) Acrylonitrile	5.43	53	66120	1144.072	ug/l	98
16) Acetone	4.17	43	52982	865.867	ug/l	98
17) Carbon Disulfide	4.40	76	39908	46.141	ug/l	97
18) Methyl Acetate	4.72	43	95548	694.288	ug/l	99
19) Methyl tert-butyl Ether	5.48	73	56670	105.339	ug/l	96
20) Methylene Chloride	4.97	84	22279	85.015	ug/l	88
21) trans-1,2-Dichloroethene	5.47	96	15601	53.196	ug/l	93
22) Diisopropyl ether	6.37	45	52283	64.738	ug/l #	88
23) Vinyl Acetate	6.31	43	39078	87.770	ug/l	96
24) 1,1-Dichloroethane	6.27	63	29527	58.944	ug/l #	91
25) 2-Butanone	7.23	43	79765	1030.315	ug/l	98
26) 2,2-Dichloropropane	7.21	77	21592	49.680	ug/l	91
27) cis-1,2-Dichloroethene	7.21	96	19186	61.760	ug/l	93
28) Bromochloromethane	7.56	49	18312	98.534	ug/l	95
29) Tetrahydrofuran	7.57	42	53205	1172.922	ug/l	98
30) Chloroform	7.71	83	30996	61.418	ug/l	96
31) Cyclohexane	7.99	56	16587	33.701	ug/l	86
32) 1,1,1-Trichloroethane	7.91	97	24295	53.805	ug/l	95
36) 1,1-Dichloropropene	8.11	75	16996	40.847	ug/l	98
37) Ethyl Acetate	7.30	43	23648	135.953	ug/l	98
38) Carbon Tetrachloride	8.10	117	19515	46.073	ug/l	88

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	11863	24.251	ug/l #	82
40) Benzene	8.36	78	64058	54.543	ug/l	100
41) Methacrylonitrile	7.53	41	14837	147.729	ug/l	88
42) 1,2-Dichloroethane	8.43	62	28165	87.233	ug/l	100
43) Isopropyl Acetate	8.46	43	40347	127.555	ug/l	96
44) Trichloroethene	9.11	130	15104	46.395	ug/l	85
45) 1,2-Dichloropropane	9.39	63	18741	64.174	ug/l	99
46) Dibromomethane	9.47	93	15012	99.908	ug/l	97
47) Bromodichloromethane	9.67	83	26567	67.091	ug/l	95
48) Methyl methacrylate	9.46	41	24220	165.654	ug/l	99
49) 1,4-Dioxane	9.47	88	9048	5134.206	ug/l	96
51) 4-Methyl-2-Pentanone	10.23	43	146867	914.159	ug/l	99
52) Toluene	10.41	92	35123	48.315	ug/l	97
53) t-1,3-Dichloropropene	10.63	75	28819	78.517	ug/l	95
54) cis-1,3-Dichloropropene	10.09	75	28561	64.440	ug/l	96
55) 1,1,2-Trichloroethane	10.81	97	21126	99.892	ug/l	98
56) Ethyl methacrylate	10.67	69	19025	77.938	ug/l	98
57) 1,3-Dichloropropane	10.95	76	34630	96.208	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	34127	443.443	ug/l	96
59) 2-Hexanone	10.99	43	101413	881.809	ug/l	100
60) Dibromochloromethane	11.14	129	23656	87.392	ug/l	98
61) 1,2-Dibromoethane	11.26	107	22299	111.361	ug/l	99
64) Tetrachloroethene	10.88	164	11692	39.768	ug/l	97
65) Chlorobenzene	11.67	112	37152	44.660	ug/l	92
66) 1,1,1,2-Tetrachloroethane	11.75	131	18722	60.309	ug/l	99
67) Ethyl Benzene	11.75	91	51923	35.638	ug/l	98
68) m/p-Xylenes	11.86	106	37352	67.009	ug/l	99
69) o-Xylene	12.18	106	19582	39.652	ug/l	99
70) Styrene	12.20	104	30698	35.012	ug/l	93
71) Bromoform	12.37	173	17623	102.304	ug/l #	95
73) Isopropylbenzene	12.48	105	40716	37.571	ug/l	99
74) N-amyl acetate	12.30	43	12999	53.982	ug/l	92
75) 1,1,2,2-Tetrachloroethane	12.74	83	31724	162.201	ug/l	97
76) 1,2,3-Trichloropropane	12.79	75	21639m	155.372	ug/l	
77) Bromobenzene	12.77	156	16207	60.226	ug/l	75
78) n-propylbenzene	12.83	91	44215	33.951	ug/l	96
79) 2-Chlorotoluene	12.91	91	28040	38.434	ug/l	96
80) 1,3,5-Trimethylbenzene	12.97	105	31344	35.117	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.54	75	8355	129.530	ug/l	94
82) 4-Chlorotoluene	13.01	91	31991	41.304	ug/l	100
83) tert-Butylbenzene	13.23	119	26998	36.089	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	30210	33.815	ug/l	98
85) sec-Butylbenzene	13.41	105	31275	29.013	ug/l	97
86) p-Isopropyltoluene	13.53	119	26380	26.760	ug/l	97
87) 1,3-Dichlorobenzene	13.53	146	21231	40.810	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	21861	42.577	ug/l	98
89) n-Butylbenzene	13.85	91	19959	21.972	ug/l	96
90) Hexachloroethane	14.12	117	8910	44.514	ug/l	91
91) 1,2-Dichlorobenzene	13.90	146	20919	46.831	ug/l	93
92) 1,2-Dibromo-3-Chloropropan	14.52	75	5736	190.309	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	8175	27.979	ug/l	90
94) Hexachlorobutadiene	15.28	225	5248	27.999	ug/l	93
95) Naphthalene	15.41	128	27891	58.718	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	8960	35.112	ug/l	95

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

