

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD022120\
 Data File : VD065274.D
 Acq On : 21 Feb 2020 14:38
 Operator : VA/SY
 Sample : L1635-02MS
 Misc : 6.13G/5.00ml/MSVOA D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 DUNR-TS001-01MS

Manual Integrations
 APPROVED

MMDadoda
 2/24/2020 11:08:50 AM

Quant Time: Feb 22 02:49:33 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	210432	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	315278	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	260822	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	86487	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	127969	67.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	135.20%	
35) Dibromofluoromethane	7.92	113	111739	58.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	116.26%	
50) Toluene-d8	10.34	98	357113	48.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.18%	
62) 4-Bromofluorobenzene	12.64	95	88904	38.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	76.38%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	93299	52.862	ug/l	98
3) Chloromethane	2.21	50	119919	53.380	ug/l	97
4) Vinyl Chloride	2.35	62	116131	50.837	ug/l	99
5) Bromomethane	2.78	94	72029	52.150	ug/l	98
6) Chloroethane	2.93	64	74294	53.280	ug/l	97
7) Trichlorofluoromethane	3.27	101	159827	48.869	ug/l	99
8) Diethyl Ether	3.71	74	72871	73.815	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.09	101	94132	45.577	ug/l	99
10) Methyl Iodide	4.30	142	117664	54.870	ug/l	99
11) Tert butyl alcohol	5.25	59	43295	382.727	ug/l	100
12) 1,1-Dichloroethene	4.07	96	95024	48.705	ug/l	97
13) Acrolein	3.93	56	27082	188.215	ug/l	99
14) Allyl chloride	4.71	41	178650	56.387	ug/l	96
15) Acrylonitrile	5.43	53	192693	440.869	ug/l	98
16) Acetone	4.17	43	133921	289.398	ug/l	98
17) Carbon Disulfide	4.40	76	309374	47.297	ug/l	97
18) Methyl Acetate	4.73	43	292587	281.123	ug/l	97
19) Methyl tert-butyl Ether	5.48	73	306822	75.413	ug/l	95
20) Methylene Chloride	4.96	84	144884	72.393	ug/l	99
21) trans-1,2-Dichloroethene	5.47	96	115003	51.851	ug/l	94
22) Diisopropyl ether	6.37	45	383307	62.758	ug/l	98
23) Vinyl Acetate	6.31	43	189106	56.162	ug/l	98
24) 1,1-Dichloroethane	6.27	63	207497	54.772	ug/l	99
25) 2-Butanone	7.23	43	223716	382.101	ug/l	96
26) 2,2-Dichloropropane	7.21	77	164250	49.970	ug/l	100
27) cis-1,2-Dichloroethene	7.22	96	126148	53.694	ug/l	99
28) Bromochloromethane	7.56	49	94064	66.927	ug/l	96
29) Tetrahydrofuran	7.57	42	155980	454.683	ug/l	100
30) Chloroform	7.71	83	210333	55.109	ug/l	97
31) Cyclohexane	7.98	56	142492	38.282	ug/l	100
32) 1,1,1-Trichloroethane	7.91	97	166841	48.857	ug/l	99
36) 1,1-Dichloropropene	8.11	75	136763	44.582	ug/l	99
37) Ethyl Acetate	7.30	43	78878	61.507	ug/l	99
38) Carbon Tetrachloride	8.10	117	142470	45.622	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	101578	28.166	ug/l	95
40) Benzene	8.36	78	455651	52.623	ug/l	99
41) Methacrylonitrile	7.53	41	48380	65.337	ug/l #	84
42) 1,2-Dichloroethane	8.43	62	159685	67.083	ug/l	99
43) Isopropyl Acetate	8.46	43	158661	68.035	ug/l	99
44) Trichloroethene	9.11	130	109640	45.680	ug/l	97
45) 1,2-Dichloropropane	9.39	63	124172	57.672	ug/l	99
46) Dibromomethane	9.48	93	77087	69.586	ug/l	99
47) Bromodichloromethane	9.67	83	170395	58.365	ug/l	96
48) Methyl methacrylate	9.46	41	112891	104.728	ug/l	98
49) 1,4-Dioxane	9.47	88	22522	1733.413	ug/l	97
51) 4-Methyl-2-Pentanone	10.23	43	510150	430.695	ug/l	99
52) Toluene	10.41	92	256893	47.931	ug/l	95
53) t-1,3-Dichloropropene	10.63	75	166363	61.478	ug/l	96
54) cis-1,3-Dichloropropene	10.09	75	194799	59.614	ug/l	96
55) 1,1,2-Trichloroethane	10.80	97	105348	67.564	ug/l	95
56) Ethyl methacrylate	10.67	69	95904	53.289	ug/l	98
57) 1,3-Dichloropropane	10.95	76	183083	68.989	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.94	63	180527	318.168	ug/l	99
59) 2-Hexanone	10.99	43	335299	395.447	ug/l	98
60) Dibromochloromethane	11.14	129	125192	62.731	ug/l	99
61) 1,2-Dibromoethane	11.25	107	103448	70.072	ug/l	96
64) Tetrachloroethene	10.88	164	76801	41.518	ug/l	96
65) Chlorobenzene	11.67	112	244674	46.747	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.74	131	117084	59.945	ug/l	98
67) Ethyl Benzene	11.75	91	396024	43.202	ug/l	97
68) m/p-Xylenes	11.86	106	305513	87.111	ug/l	100
69) o-Xylene	12.18	106	146697	47.212	ug/l	99
70) Styrene	12.20	104	244819	44.378	ug/l	100
71) Bromoform	12.37	173	76345	70.439	ug/l #	98
73) Isopropylbenzene	12.48	105	327542	57.204	ug/l	99
74) N-amyl acetate	12.29	43	55113	43.317	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.74	83	114938	111.224	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	76108m	103.428	ug/l	
77) Bromobenzene	12.77	156	94093	66.177	ug/l	90
78) n-propylbenzene	12.83	91	333285	48.436	ug/l	100
79) 2-Chlorotoluene	12.91	91	206682	53.618	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	256970	54.489	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.54	75	37825	110.987	ug/l	97
82) 4-Chlorotoluene	13.01	91	210924	51.542	ug/l	99
83) tert-Butylbenzene	13.23	119	213712	54.069	ug/l	97
84) 1,2,4-Trimethylbenzene	13.27	105	255889	54.210	ug/l	98
85) sec-Butylbenzene	13.41	105	228701	40.155	ug/l	100
86) p-Isopropyltoluene	13.53	119	210802	40.473	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	123225	44.830	ug/l	100
88) 1,4-Dichlorobenzene	13.60	146	124890	46.037	ug/l	99
89) n-Butylbenzene	13.85	91	137897	28.731	ug/l	97
90) Hexachloroethane	14.12	117	52102	49.266	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	117779	49.904	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	16776	105.344	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	40500	26.234	ug/l	97
94) Hexachlorobutadiene	15.28	225	23326	23.554	ug/l	99
95) Naphthalene	15.41	128	102847	40.980	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	36839	27.323	ug/l	97

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

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