

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD022420\
 Data File : VD065290.D
 Acq On : 24 Feb 2020 13:05
 Operator : VA/SY
 Sample : L1635-03MSD
 Misc : 5.35G/5.00ml/MSVOA D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 DUNR-TS001-01MSD

Manual Integrations
 APPROVED

MMDadoda
 2/25/2020 5:15:41 PM

Quant Time: Feb 25 02:24:38 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	402942	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	590801	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	451343	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	139269	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	182157	50.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.50%	
35) Dibromofluoromethane	7.92	113	190176	52.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.58%	
50) Toluene-d8	10.34	98	678432	49.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.52%	
62) 4-Bromofluorobenzene	12.64	95	154337	35.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	70.76%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	182647	54.044	ug/l	99
3) Chloromethane	2.21	50	216129	50.243	ug/l	98
4) Vinyl Chloride	2.35	62	219541	50.190	ug/l	100
5) Bromomethane	2.77	94	127805	48.324	ug/l	96
6) Chloroethane	2.92	64	134542	50.390	ug/l	100
7) Trichlorofluoromethane	3.27	101	308715	49.296	ug/l	98
8) Diethyl Ether	3.71	74	97273	51.457	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.09	101	186092	47.055	ug/l	99
10) Methyl Iodide	4.29	142	229619	55.920	ug/l	99
11) Tert butyl alcohol	5.25	59	49437	228.230	ug/l	97
12) 1,1-Dichloroethene	4.06	96	185759	49.723	ug/l	97
13) Acrolein	3.92	56	44365	156.234	ug/l	100
14) Allyl chloride	4.71	41	317210	52.287	ug/l	98
15) Acrylonitrile	5.43	53	204009	243.760	ug/l	99
16) Acetone	4.17	43	141370	159.541	ug/l	96
17) Carbon Disulfide	4.40	76	593033	47.348	ug/l	98
18) Methyl Acetate	4.72	43	350446	175.846	ug/l	97
19) Methyl tert-butyl Ether	5.49	73	415339	53.313	ug/l	98
20) Methylene Chloride	4.96	84	219482	56.212	ug/l	95
21) trans-1,2-Dichloroethene	5.47	96	213294	50.222	ug/l	98
22) Diisopropyl ether	6.37	45	614185	52.516	ug/l	95
23) Vinyl Acetate	6.31	43	150953	23.412	ug/l	97
24) 1,1-Dichloroethane	6.27	63	373290	51.459	ug/l	100
25) 2-Butanone	7.22	43	238125	212.400	ug/l	98
26) 2,2-Dichloropropane	7.21	77	313588	49.824	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	227540	50.580	ug/l	98
28) Bromochloromethane	7.55	49	147428	54.780	ug/l	98
29) Tetrahydrofuran	7.57	42	165482	251.919	ug/l	100
30) Chloroform	7.71	83	369223	50.521	ug/l	98
31) Cyclohexane	7.98	56	283578	39.787	ug/l	96
32) 1,1,1-Trichloroethane	7.90	97	314486	48.095	ug/l	98
36) 1,1-Dichloropropene	8.11	75	264993	46.097	ug/l	100
37) Ethyl Acetate	7.30	43	82313	34.252	ug/l	99
38) Carbon Tetrachloride	8.10	117	279847	47.821	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	216432	32.025	ug/l	97
40) Benzene	8.36	78	818429	50.440	ug/l	99
41) Methacrylonitrile	7.53	41	54046	38.950	ug/l #	90
42) 1,2-Dichloroethane	8.43	62	227439	50.987	ug/l	100
43) Isopropyl Acetate	8.46	43	172550	39.485	ug/l	95
44) Trichloroethene	9.11	130	209511	46.582	ug/l	94
45) 1,2-Dichloropropane	9.39	63	210371	52.141	ug/l	98
46) Dibromomethane	9.48	93	103979	50.088	ug/l	98
47) Bromodichloromethane	9.67	83	269391	49.242	ug/l	97
48) Methyl methacrylate	9.46	41	133316	65.999	ug/l	97
49) 1,4-Dioxane	9.47	88	24538	1007.829	ug/l	97
51) 4-Methyl-2-Pentanone	10.23	43	554595	249.862	ug/l	99
52) Toluene	10.41	92	479866	47.779	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	246407	48.592	ug/l	96
54) cis-1,3-Dichloropropene	10.09	75	308381	50.361	ug/l	97
55) 1,1,2-Trichloroethane	10.80	97	144882	49.586	ug/l	99
56) Ethyl methacrylate	10.67	69	109855	32.574	ug/l	98
57) 1,3-Dichloropropane	10.95	76	245535	49.374	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	229708	216.044	ug/l	99
59) 2-Hexanone	10.99	43	357531	225.020	ug/l	97
60) Dibromochloromethane	11.14	129	177606	47.491	ug/l	98
61) 1,2-Dibromoethane	11.25	107	133589	48.289	ug/l	98
64) Tetrachloroethene	10.88	164	146493	45.764	ug/l	97
65) Chlorobenzene	11.67	112	431327	47.622	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.75	131	186813	55.271	ug/l	98
67) Ethyl Benzene	11.75	91	765540	48.260	ug/l	99
68) m/p-Xylenes	11.86	106	581994	95.896	ug/l	98
69) o-Xylene	12.18	106	276716	51.464	ug/l	97
70) Styrene	12.20	104	435890	45.660	ug/l	99
71) Bromoform	12.37	173	95730	51.041	ug/l #	100
73) Isopropylbenzene	12.48	105	639972	69.409	ug/l	99
74) N-amyl acetate	12.29	43	55027	26.858	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.74	83	138162	83.027	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	106794m	90.126	ug/l	
77) Bromobenzene	12.77	156	156757	68.466	ug/l	98
78) n-propylbenzene	12.83	91	644290	58.148	ug/l	99
79) 2-Chlorotoluene	12.91	91	372768	60.054	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	478439	63.002	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.54	75	43752	79.724	ug/l	98
82) 4-Chlorotoluene	13.01	91	372022	56.454	ug/l	99
83) tert-Butylbenzene	13.23	119	415718	65.315	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	463566	60.987	ug/l	99
85) sec-Butylbenzene	13.41	105	454623	49.570	ug/l	99
86) p-Isopropyltoluene	13.53	119	406513	48.469	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	208211	47.040	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	203120	46.497	ug/l	98
89) n-Butylbenzene	13.85	91	259593	33.589	ug/l	99
90) Hexachloroethane	14.12	117	97786	57.421	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	185528	48.817	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	18909	73.737	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	62414	25.107	ug/l	99
94) Hexachlorobutadiene	15.28	225	39226	24.598	ug/l	98
95) Naphthalene	15.41	128	139964	34.633	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	52699	24.272	ug/l	99

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

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