

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051221\
 Data File : VD069143.D
 Acq On : 12 May 2021 18:27
 Operator : VA/SY
 Sample : M2262-01 4PPBLOD
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2021

Manual Integrations
 APPROVED

MMDadoda
 5/13/2021 4:06:08 PM

Quant Time: May 13 04:37:56 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D051221S.M
 Quant Title : SW846 8260
 QLast Update : Thu May 13 04:37:04 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.979	168	277682	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	497020	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.644	117	465100	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.573	152	211923	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	152088	54.63	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 109.26%			
35) Dibromofluoromethane	7.920	113	157368	48.65	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 97.30%			
50) Toluene-d8	10.338	98	573495	48.26	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 96.52%			
62) 4-Bromofluorobenzene	12.626	95	179836	47.03	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 94.06%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.991	85	11756	3.98	ug/l	97
3) Chloromethane	2.209	50	15033	4.43	ug/l	92
4) Vinyl Chloride	2.350	62	18342	4.10	ug/l	89
5) Bromomethane	2.773	94	16035	4.77	ug/l	98
6) Chloroethane	2.921	64	13121	4.56	ug/l	94
7) Trichlorofluoromethane	3.273	101	22874	4.19	ug/l	84
8) Diethyl Ether	3.709	74	5615	4.51	ug/l	96
9) 1,1,2-Trichlorotrifluo...	4.091	101	13355	4.32	ug/l	94
10) Methyl Iodide	4.297	142	10190	3.46	ug/l #	97
11) Tert butyl alcohol	5.185	59	12066	63.42	ug/l #	73
12) 1,1-Dichloroethene	4.079	96	12229	4.40	ug/l	84
13) Acrolein	3.920	56	4071	17.97	ug/l	93
14) Allyl chloride	4.720	41	12741	4.18	ug/l	96
15) Acrylonitrile	5.426	53	9406	20.23	ug/l	98
16) Acetone	4.173	43	9458	22.18	ug/l #	83
17) Carbon Disulfide	4.420	76	39047	4.24	ug/l #	93
18) Methyl Acetate	4.715	43	4629	4.47	ug/l #	79
19) Methyl tert-butyl Ether	5.473	73	20550	4.08	ug/l	99
20) Methylene Chloride	4.967	84	51179	11.34	ug/l	93
21) trans-1,2-Dichloroethene	5.473	96	13565	4.12	ug/l	84
22) Diisopropyl ether	6.361	45	22575	3.71	ug/l	93
23) Vinyl Acetate	6.309	43	62187m	17.31	ug/l	
24) 1,1-Dichloroethane	6.261	63	24056	4.58	ug/l	98
25) 2-Butanone	7.214	43	11696	20.24	ug/l #	83
26) 2,2-Dichloropropane	7.214	77	22397	4.55	ug/l	95
27) cis-1,2-Dichloroethene	7.220	96	15266	4.27	ug/l	97
28) Bromochloromethane	7.544	49	8927	4.76	ug/l	96
29) Tetrahydrofuran	7.579	42	6148	19.58	ug/l	92
30) Chloroform	7.708	83	25902	4.38	ug/l	100
31) Cyclohexane	7.985	56	20925	5.07	ug/l #	72
32) 1,1,1-Trichloroethane	7.908	97	22985	4.28	ug/l	97
36) 1,1-Dichloropropene	8.108	75	18006	3.73	ug/l	98
37) Ethyl Acetate	7.291	43	6817	4.39	ug/l #	75
38) Carbon Tetrachloride	8.103	117	19627	3.63	ug/l #	94
39) Methylcyclohexane	9.350	83	18429	3.62	ug/l	93
40) Benzene	8.350	78	55424	4.00	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.514	41	3181m	3.85	ug/l	
42) 1,2-Dichloroethane	8.432	62	15288	4.05	ug/l	99
43) Isopropyl Acetate	8.450	43	10387	3.68	ug/l	91
44) Trichloroethene	9.114	130	15745	4.07	ug/l	87
45) 1,2-Dichloropropane	9.391	63	13918	4.26	ug/l #	80
46) Dibromomethane	9.473	93	7608	3.90	ug/l	95
47) Bromodichloromethane	9.661	83	18932	3.81	ug/l #	87
48) Methyl methacrylate	9.455	41	5079	3.90	ug/l	91
49) 1,4-Dioxane	9.461	88	1260	68.60	ug/l #	66
51) 4-Methyl-2-Pentanone	10.226	43	26608	18.34	ug/l	92
52) Toluene	10.402	92	33453	3.74	ug/l	91
53) t-1,3-Dichloropropene	10.620	75	15566	3.56	ug/l	96
54) cis-1,3-Dichloropropene	10.085	75	18576	3.56	ug/l #	92
55) 1,1,2-Trichloroethane	10.797	97	9866	3.75	ug/l #	89
56) Ethyl methacrylate	10.661	69	8526	3.24	ug/l	93
57) 1,3-Dichloropropane	10.949	76	17648	4.15	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.944	63	21755	16.69	ug/l	98
59) 2-Hexanone	10.985	43	16325	16.87	ug/l	90
60) Dibromochloromethane	11.138	129	12952	3.83	ug/l	98
61) 1,2-Dibromoethane	11.244	107	10649	4.09	ug/l	96
64) Tetrachloroethene	10.873	164	13636	4.22	ug/l	87
65) Chlorobenzene	11.667	112	38867	4.03	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.744	131	13983	3.85	ug/l	96
67) Ethyl Benzene	11.744	91	58372	3.52	ug/l	98
68) m/p-Xylenes	11.849	106	44900	6.91	ug/l	100
69) o-Xylene	12.179	106	20720	3.58	ug/l	89
70) Styrene	12.191	104	33494	3.32	ug/l	97
71) Bromoform	12.355	173	6966	3.68	ug/l #	97
73) Isopropylbenzene	12.479	105	52772	3.56	ug/l	98
74) N-amyl acetate	12.285	43	8392	3.46	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.726	83	11669	4.35	ug/l	95
76) 1,2,3-Trichloropropane	12.773	75	6514m	4.09	ug/l	
77) Bromobenzene	12.755	156	15279	4.35	ug/l	97
78) n-propylbenzene	12.814	91	67106	3.75	ug/l	99
79) 2-Chlorotoluene	12.902	91	39133	3.94	ug/l	99
80) 1,3,5-Trimethylbenzene	12.955	105	43910	3.60	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.526	75	2555m	3.24	ug/l	
82) 4-Chlorotoluene	13.002	91	40862	3.86	ug/l	98
83) tert-Butylbenzene	13.214	119	37018	3.64	ug/l	96
84) 1,2,4-Trimethylbenzene	13.261	105	40989	3.34	ug/l	98
85) sec-Butylbenzene	13.396	105	53321	3.48	ug/l	97
86) p-Isopropyltoluene	13.508	119	44786	3.33	ug/l	97
87) 1,3-Dichlorobenzene	13.508	146	28432	4.00	ug/l	99
88) 1,4-Dichlorobenzene	13.591	146	29474	4.18	ug/l	92
89) n-Butylbenzene	13.838	91	45177	3.61	ug/l	97
90) Hexachloroethane	14.108	117	9962	3.95	ug/l	100
91) 1,2-Dichlorobenzene	13.885	146	23939	3.92	ug/l	95
92) 1,2-Dibromo-3-Chloropr...	14.508	75	1737	4.17	ug/l	92
93) 1,2,4-Trichlorobenzene	15.155	180	14309	3.82	ug/l	93
94) Hexachlorobutadiene	15.261	225	8572	3.82	ug/l	99
95) Naphthalene	15.396	128	22075	3.52	ug/l	98
96) 1,2,3-Trichlorobenzene	15.590	180	11796	3.68	ug/l	92

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

