

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD050321\
 Data File : VD069036.D
 Acq On : 03 May 2021 11:15
 Operator : VA/SY
 Sample : VSTDIC005
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda

5/4/2021 5:35:08 PM

Quant Time: May 03 13:25:06 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D050321S.M
 Quant Title : SW846 8260
 QLast Update : Mon May 03 13:21:52 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.979	168	210582	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	375624	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.644	117	354338	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	169555	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	13592	5.14	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	10.28%#		
35) Dibromofluoromethane	7.908	113	12141	4.97	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	9.94%#		
50) Toluene-d8	10.338	98	40751	4.63	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	9.26%#		
62) 4-Bromofluorobenzene	12.632	95	14251	4.80	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	9.60%#		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.991	85	12262	4.66	ug/l	97
3) Chloromethane	2.209	50	16382	4.92	ug/l	98
4) Vinyl Chloride	2.344	62	20039	4.84	ug/l	100
5) Bromomethane	2.756	94	12601	5.45	ug/l	86
6) Chloroethane	2.909	64	8414	4.10	ug/l	96
7) Trichlorofluoromethane	3.268	101	23661	5.12	ug/l	91
8) Diethyl Ether	3.703	74	5255	4.83	ug/l	75
9) 1,1,2-Trichlorotrifluo...	4.091	101	13940	5.49	ug/l	94
10) Methyl Iodide	4.291	142	7576	4.05	ug/l #	74
11) Tert butyl alcohol	5.191	59	7246	32.52	ug/l #	73
12) 1,1-Dichloroethene	4.050	96	11187	4.96	ug/l	81
13) Acrolein	3.915	56	4875	26.57	ug/l	91
14) Allyl chloride	4.709	41	14941	5.13	ug/l #	88
15) Acrylonitrile	5.432	53	11959	24.48	ug/l	91
16) Acetone	4.167	43	12814	28.58	ug/l	95
17) Carbon Disulfide	4.397	76	37634	4.98	ug/l	100
18) Methyl Acetate	4.709	43	6229m	5.54	ug/l	
19) Methyl tert-butyl Ether	5.479	73	22658	4.56	ug/l	93
20) Methylene Chloride	4.967	84	24603	6.50	ug/l	91
21) trans-1,2-Dichloroethene	5.467	96	13640	5.15	ug/l #	84
22) Diisopropyl ether	6.361	45	29260	4.57	ug/l #	87
23) Vinyl Acetate	6.309	43	75670	21.50	ug/l	97
24) 1,1-Dichloroethane	6.256	63	22473	4.90	ug/l	95
25) 2-Butanone	7.208	43	14452	24.46	ug/l	96
26) 2,2-Dichloropropane	7.208	77	22103	5.23	ug/l	96
27) cis-1,2-Dichloroethene	7.214	96	13521	4.84	ug/l	89
28) Bromochloromethane	7.538	49	10114	5.25	ug/l #	78
29) Tetrahydrofuran	7.561	42	9209	24.76	ug/l #	88
30) Chloroform	7.708	83	25237	5.04	ug/l	90
31) Cyclohexane	7.985	56	22519	5.53	ug/l #	86
32) 1,1,1-Trichloroethane	7.908	97	23174	5.04	ug/l	94
36) 1,1-Dichloropropene	8.108	75	18399	4.90	ug/l	98
37) Ethyl Acetate	7.291	43	7507	5.21	ug/l	96
38) Carbon Tetrachloride	8.097	117	19534	4.83	ug/l	96
39) Methylcyclohexane	9.350	83	19609	4.74	ug/l #	92
40) Benzene	8.350	78	51993	4.86	ug/l	94

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.520	41	5212m	6.59	ug/l	
42) 1,2-Dichloroethane	8.426	62	17087	4.98	ug/l	93
43) Isopropyl Acetate	8.450	43	13299	4.83	ug/l #	86
44) Trichloroethene	9.108	130	13602	4.87	ug/l	84
45) 1,2-Dichloropropane	9.385	63	12639	4.79	ug/l	99
46) Dibromomethane	9.473	93	7889	5.09	ug/l	94
47) Bromodichloromethane	9.661	83	20740	5.05	ug/l	88
48) Methyl methacrylate	9.450	41	6147m	5.02	ug/l	
49) 1,4-Dioxane	9.461	88	1765	99.52	ug/l #	94
51) 4-Methyl-2-Pentanone	10.226	43	32519	23.47	ug/l	88
52) Toluene	10.402	92	31297	4.70	ug/l	100
53) t-1,3-Dichloropropene	10.620	75	16827	4.80	ug/l	97
54) cis-1,3-Dichloropropene	10.091	75	19281	4.80	ug/l #	92
55) 1,1,2-Trichloroethane	10.802	97	10192	5.02	ug/l	87
56) Ethyl methacrylate	10.655	69	8728	4.19	ug/l #	69
57) 1,3-Dichloropropane	10.944	76	16919	4.86	ug/l	95
58) 2-Chloroethyl Vinyl ether	9.944	63	24560	21.59	ug/l	99
59) 2-Hexanone	10.979	43	20559	22.07	ug/l	87
60) Dibromochloromethane	11.138	129	13231	5.06	ug/l	99
61) 1,2-Dibromoethane	11.244	107	9182	4.71	ug/l	96
64) Tetrachloroethene	10.873	164	11344	5.11	ug/l	92
65) Chlorobenzene	11.667	112	37138	5.14	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.738	131	13207	4.79	ug/l	98
67) Ethyl Benzene	11.744	91	59334	4.74	ug/l	96
68) m/p-Xylenes	11.849	106	42304	9.01	ug/l	93
69) o-Xylene	12.179	106	19751	4.71	ug/l	96
70) Styrene	12.191	104	32505	4.40	ug/l	96
71) Bromoform	12.361	173	6782	4.90	ug/l #	94
73) Isopropylbenzene	12.473	105	50251	4.40	ug/l	99
74) N-amyl acetate	12.285	43	10643	4.43	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.726	83	11524	5.02	ug/l	96
76) 1,2,3-Trichloropropane	12.785	75	9209m	5.92	ug/l	
77) Bromobenzene	12.755	156	12473	4.67	ug/l	84
78) n-propylbenzene	12.820	91	63242	4.50	ug/l	93
79) 2-Chlorotoluene	12.902	91	35710	4.51	ug/l	98
80) 1,3,5-Trimethylbenzene	12.955	105	41110	4.23	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.526	75	3506	5.13	ug/l	95
82) 4-Chlorotoluene	13.002	91	40248	4.67	ug/l	97
83) tert-Butylbenzene	13.220	119	36948	4.58	ug/l	95
84) 1,2,4-Trimethylbenzene	13.261	105	41748	4.24	ug/l	100
85) sec-Butylbenzene	13.396	105	51968	4.47	ug/l	98
86) p-Isopropyltoluene	13.508	119	45469	4.36	ug/l	95
87) 1,3-Dichlorobenzene	13.514	146	26543	4.81	ug/l	96
88) 1,4-Dichlorobenzene	13.590	146	26579	4.83	ug/l	87
89) n-Butylbenzene	13.838	91	44594	4.45	ug/l	96
90) Hexachloroethane	14.108	117	10367	4.72	ug/l	98
91) 1,2-Dichlorobenzene	13.885	146	22551	4.78	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.502	75	1996	5.13	ug/l	83
93) 1,2,4-Trichlorobenzene	15.155	180	13123	4.64	ug/l	95
94) Hexachlorobutadiene	15.261	225	7497	4.60	ug/l	95
95) Naphthalene	15.390	128	22640	4.46	ug/l	97
96) 1,2,3-Trichlorobenzene	15.579	180	10924	4.45	ug/l	97

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

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