

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD050421\
 Data File : VD069058.D
 Acq On : 04 May 2021 10:37
 Operator : VA/SY
 Sample : VSTDIC020
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 5/5/2021 5:32:01 PM

Quant Time: May 05 03:45:16 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D050421S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 05 03:42:21 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.973	168	209037	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	353879	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.643	117	353813	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	173906	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	51451	19.10	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	38.20%#		
35) Dibromofluoromethane	7.920	113	46870	19.31	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	38.62%#		
50) Toluene-d8	10.337	98	172267	19.23	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	38.46%#		
62) 4-Bromofluorobenzene	12.631	95	55434	18.81	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	37.62%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.991	85	54730	21.53	ug/l	95
3) Chloromethane	2.208	50	66417	21.23	ug/l	99
4) Vinyl Chloride	2.344	62	90247	21.81	ug/l	98
5) Bromomethane	2.738	94	50338	20.45	ug/l	92
6) Chloroethane	2.903	64	49610	20.62	ug/l	94
7) Trichlorofluoromethane	3.261	101	92329	20.32	ug/l	97
8) Diethyl Ether	3.714	74	24429	22.13	ug/l	91
9) 1,1,2-Trichlorotrifluo...	4.085	101	48609	19.98	ug/l	99
10) Methyl Iodide	4.291	142	37966	19.85	ug/l #	95
11) Tert butyl alcohol	5.214	59	25372m	100.92	ug/l	
12) 1,1-Dichloroethene	4.061	96	44144	20.15	ug/l	86
13) Acrolein	3.926	56	18061	111.88	ug/l	95
14) Allyl chloride	4.702	41	57245	20.28	ug/l	98
15) Acrylonitrile	5.420	53	47537	99.08	ug/l	97
16) Acetone	4.167	43	40835	94.91	ug/l	94
17) Carbon Disulfide	4.402	76	151852	20.50	ug/l	98
18) Methyl Acetate	4.714	43	20394	19.44	ug/l	100
19) Methyl tert-butyl Ether	5.479	73	102416	20.45	ug/l	96
20) Methylene Chloride	4.961	84	66577	20.06	ug/l	98
21) trans-1,2-Dichloroethene	5.467	96	53340	20.49	ug/l	98
22) Diisopropyl ether	6.367	45	131111	20.81	ug/l	95
23) Vinyl Acetate	6.302	43	361365	102.53	ug/l	100
24) 1,1-Dichloroethane	6.267	63	91674	20.60	ug/l	97
25) 2-Butanone	7.214	43	56627	98.32	ug/l #	84
26) 2,2-Dichloropropane	7.208	77	85302	20.52	ug/l	99
27) cis-1,2-Dichloroethene	7.214	96	55971	19.92	ug/l	97
28) Bromochloromethane	7.538	49	35695	19.87	ug/l	98
29) Tetrahydrofuran	7.567	42	35266	99.54	ug/l	98
30) Chloroform	7.708	83	103512	20.80	ug/l	100
31) Cyclohexane	7.985	56	77279	19.78	ug/l	98
32) 1,1,1-Trichloroethane	7.896	97	91079	20.04	ug/l	98
36) 1,1-Dichloropropene	8.114	75	77022	20.69	ug/l	98
37) Ethyl Acetate	7.291	43	30052	21.41	ug/l	100
38) Carbon Tetrachloride	8.096	117	85446	21.16	ug/l	99
39) Methylcyclohexane	9.355	83	83122	20.42	ug/l	96
40) Benzene	8.349	78	213481	20.72	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.538	41	17026m	20.44	ug/l	
42) 1,2-Dichloroethane	8.420	62	68220	21.18	ug/l	100
43) Isopropyl Acetate	8.455	43	53897	20.48	ug/l	98
44) Trichloroethene	9.114	130	55266	20.18	ug/l	100
45) 1,2-Dichloropropane	9.385	63	51946	20.48	ug/l	95
46) Dibromomethane	9.473	93	29903	20.51	ug/l	99
47) Bromodichloromethane	9.661	83	78822	20.56	ug/l	96
48) Methyl methacrylate	9.455	41	26379	20.33	ug/l	97
49) 1,4-Dioxane	9.461	88	7261	430.72	ug/l	96
51) 4-Methyl-2-Pentanone	10.226	43	135526	100.59	ug/l	97
52) Toluene	10.402	92	138878	21.24	ug/l	96
53) t-1,3-Dichloropropene	10.620	75	67451	20.25	ug/l	97
54) cis-1,3-Dichloropropene	10.090	75	79344	20.14	ug/l	100
55) 1,1,2-Trichloroethane	10.802	97	39064	20.18	ug/l	89
56) Ethyl methacrylate	10.661	69	42296	20.26	ug/l	98
57) 1,3-Dichloropropane	10.943	76	67912	20.81	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.937	63	112834	100.65	ug/l	99
59) 2-Hexanone	10.985	43	91089	100.17	ug/l	97
60) Dibromochloromethane	11.137	129	52609	20.42	ug/l	98
61) 1,2-Dibromoethane	11.249	107	39721	21.14	ug/l	92
64) Tetrachloroethene	10.873	164	46375	20.34	ug/l	96
65) Chlorobenzene	11.667	112	145949	20.21	ug/l	94
66) 1,1,1,2-Tetrachloroethane	11.737	131	54088	19.79	ug/l	99
67) Ethyl Benzene	11.743	91	258612	20.20	ug/l	97
68) m/p-Xylenes	11.849	106	199668	41.48	ug/l	97
69) o-Xylene	12.179	106	84510	19.58	ug/l	99
70) Styrene	12.190	104	153358	20.12	ug/l	98
71) Bromoform	12.355	173	28737	20.52	ug/l #	96
73) Isopropylbenzene	12.479	105	238029	19.78	ug/l	100
74) N-amyl acetate	12.284	43	49346	19.52	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.726	83	47117	19.97	ug/l	95
76) 1,2,3-Trichloropropane	12.779	75	29517m	20.22	ug/l	
77) Bromobenzene	12.761	156	56250	20.19	ug/l	99
78) n-propylbenzene	12.814	91	301380	20.38	ug/l	99
79) 2-Chlorotoluene	12.902	91	167838	20.35	ug/l	100
80) 1,3,5-Trimethylbenzene	12.955	105	209830	20.48	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.520	75	13778	19.80	ug/l	100
82) 4-Chlorotoluene	13.002	91	178004	20.16	ug/l	99
83) tert-Butylbenzene	13.220	119	163374	19.56	ug/l	95
84) 1,2,4-Trimethylbenzene	13.261	105	212154	20.72	ug/l	98
85) sec-Butylbenzene	13.396	105	242562	20.07	ug/l	100
86) p-Isopropyltoluene	13.514	119	223530	20.04	ug/l	100
87) 1,3-Dichlorobenzene	13.508	146	110820	19.82	ug/l	97
88) 1,4-Dichlorobenzene	13.590	146	113220	20.54	ug/l	100
89) n-Butylbenzene	13.837	91	210423	19.88	ug/l	98
90) Hexachloroethane	14.102	117	46328	20.20	ug/l	99
91) 1,2-Dichlorobenzene	13.884	146	99428	20.45	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.496	75	7835	20.19	ug/l	97
93) 1,2,4-Trichlorobenzene	15.155	180	55996	19.41	ug/l	97
94) Hexachlorobutadiene	15.255	225	33500	20.05	ug/l	98
95) Naphthalene	15.390	128	101642	19.09	ug/l	99
96) 1,2,3-Trichlorobenzene	15.584	180	50327	20.20	ug/l	98

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

