

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD061223\
 Data File : VD076391.D
 Acq On : 12 Jun 2023 13:48
 Operator : KP/SY
 Sample : VSTDICCC050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 06/13/2023
 Supervised By :Mahesh Dadoda 06/13/2023

Quant Time: Jun 13 01:47:00 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D061223S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 13 01:45:10 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	331825	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.775	114	563527	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	499311	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	236162	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	181451	47.343	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	94.680%		
35) Dibromofluoromethane	7.804	113	183777	50.458	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	100.920%		
50) Toluene-d8	10.269	98	679668	49.243	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	98.480%		
62) 4-Bromofluorobenzene	12.575	95	228192	48.193	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	96.380%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.928	85	144186	48.650	ug/l	97
3) Chloromethane	2.146	50	270360	48.177	ug/l	98
4) Vinyl Chloride	2.275	62	267827	49.876	ug/l	97
5) Bromomethane	2.681	94	134571	47.825	ug/l	99
6) Chloroethane	2.828	64	160369	49.593	ug/l	98
7) Trichlorofluoromethane	3.163	101	268595	49.706	ug/l	99
8) Diethyl Ether	3.593	74	93946	48.393	ug/l	63
9) 1,1,2-Trichlorotrifluo...	3.957	101	164550	50.646	ug/l	98
10) Methyl Iodide	4.152	142	213948	51.209	ug/l	92
11) Tert butyl alcohol	5.052	59	75912	236.930	ug/l	# 88
12) 1,1-Dichloroethene	3.934	96	162257	48.969	ug/l	# 78
13) Acrolein	3.793	56	82932	225.657	ug/l	99
14) Allyl chloride	4.557	41	314876	48.591	ug/l	# 85
15) Acrylonitrile	5.252	53	242479	245.487	ug/l	99
16) Acetone	4.016	43	221667	263.090	ug/l	# 78
17) Carbon Disulfide	4.263	76	478557	50.268	ug/l	98
18) Methyl Acetate	4.557	43	182369	47.475	ug/l	# 81
19) Methyl tert-butyl Ether	5.310	73	449629	48.905	ug/l	95
20) Methylene Chloride	4.793	84	211977	47.887	ug/l	# 74
21) trans-1,2-Dichloroethene	5.310	96	187537	48.704	ug/l	88
22) Diisopropyl ether	6.216	45	644581	48.863	ug/l	# 91
23) Vinyl Acetate	6.151	43	1402327m	247.509	ug/l	
24) 1,1-Dichloroethane	6.104	63	362342	49.416	ug/l	95
25) 2-Butanone	7.081	43	325673	247.138	ug/l	# 79
26) 2,2-Dichloropropane	7.069	77	320392	48.529	ug/l	94
27) cis-1,2-Dichloroethene	7.075	96	222350	48.508	ug/l	82
28) Bromochloromethane	7.422	49	103108	50.935	ug/l	# 68
29) Tetrahydrofuran	7.446	42	205089	243.942	ug/l	# 76
30) Chloroform	7.593	83	356126	48.731	ug/l	95
31) Cyclohexane	7.875	56	297396	48.496	ug/l	# 84
32) 1,1,1-Trichloroethane	7.793	97	310606	49.766	ug/l	98
36) 1,1-Dichloropropene	8.004	75	265711	49.983	ug/l	95
37) Ethyl Acetate	7.169	43	143749	51.410	ug/l	# 90
38) Carbon Tetrachloride	7.987	117	250154	50.683	ug/l	99
39) Methylcyclohexane	9.269	83	313071	51.146	ug/l	# 88
40) Benzene	8.251	78	776665	50.254	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.398	41	76135	42.563	ug/l #	82
42) 1,2-Dichloroethane	8.322	62	228078	49.559	ug/l	93
43) Isopropyl Acetate	8.357	43	291723	49.761	ug/l #	82
44) Trichloroethene	9.028	130	213220	50.894	ug/l	92
45) 1,2-Dichloropropane	9.304	63	206648	50.309	ug/l	97
46) Dibromomethane	9.392	93	111293	49.096	ug/l	93
47) Bromodichloromethane	9.581	83	277402	49.400	ug/l	97
48) Methyl methacrylate	9.381	41	139064	49.492	ug/l #	68
49) 1,4-Dioxane	9.381	88	26469	984.144	ug/l #	69
51) 4-Methyl-2-Pentanone	10.157	43	722949	248.285	ug/l #	83
52) Toluene	10.334	92	489547	50.107	ug/l	97
53) t-1,3-Dichloropropene	10.551	75	290265	50.539	ug/l	98
54) cis-1,3-Dichloropropene	10.016	75	330573	50.049	ug/l #	78
55) 1,1,2-Trichloroethane	10.734	97	150298	49.639	ug/l	96
56) Ethyl methacrylate	10.598	69	215878	51.340	ug/l #	67
57) 1,3-Dichloropropane	10.881	76	262906	49.914	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.869	63	400085	233.588	ug/l	92
59) 2-Hexanone	10.922	43	512313	251.007	ug/l	80
60) Dibromochloromethane	11.075	129	185921	49.627	ug/l	96
61) 1,2-Dibromoethane	11.181	107	146850	49.991	ug/l	100
64) Tetrachloroethene	10.810	164	173807	50.704	ug/l	92
65) Chlorobenzene	11.604	112	521703	50.407	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.681	131	195220	50.445	ug/l	95
67) Ethyl Benzene	11.681	91	954587	50.077	ug/l	96
68) m/p-Xylenes	11.792	106	726719	100.757	ug/l	86
69) o-Xylene	12.122	106	349451	50.436	ug/l	88
70) Styrene	12.134	104	597121	50.514	ug/l #	94
71) Bromoform	12.298	173	112681	49.920	ug/l #	100
73) Isopropylbenzene	12.422	105	900265	50.407	ug/l	96
74) N-amyl acetate	12.234	43	271146	49.782	ug/l #	83
75) 1,1,2,2-Tetrachloroethane	12.675	83	174243	49.404	ug/l	99
76) 1,2,3-Trichloropropane	12.728	75	101537m	44.517	ug/l	
77) Bromobenzene	12.698	156	211359	50.158	ug/l	84
78) n-propylbenzene	12.763	91	1097661	50.421	ug/l	96
79) 2-Chlorotoluene	12.851	91	620249	50.348	ug/l	93
80) 1,3,5-Trimethylbenzene	12.904	105	748899	50.237	ug/l	94
81) trans-1,4-Dichloro-2-b...	12.469	75	60010	48.665	ug/l	90
82) 4-Chlorotoluene	12.945	91	640343	49.637	ug/l	93
83) tert-Butylbenzene	13.169	119	650997	50.888	ug/l	93
84) 1,2,4-Trimethylbenzene	13.210	105	743093	50.452	ug/l	94
85) sec-Butylbenzene	13.345	105	948911	50.397	ug/l	97
86) p-Isopropyltoluene	13.463	119	803036	50.650	ug/l	95
87) 1,3-Dichlorobenzene	13.457	146	411408	50.447	ug/l	96
88) 1,4-Dichlorobenzene	13.539	146	405830	50.354	ug/l	97
89) n-Butylbenzene	13.786	91	770304	50.568	ug/l	99
90) Hexachloroethane	14.057	117	148211	50.656	ug/l	97
91) 1,2-Dichlorobenzene	13.833	146	355260	49.532	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.451	75	28159	48.603	ug/l	94
93) 1,2,4-Trichlorobenzene	15.098	180	240595	50.121	ug/l	97
94) Hexachlorobutadiene	15.204	225	122253	50.622	ug/l	99
95) Naphthalene	15.333	128	482017	50.005	ug/l	100
96) 1,2,3-Trichlorobenzene	15.522	180	208209	50.220	ug/l	99

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

