

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD061623\
 Data File : VD076460.D
 Acq On : 16 Jun 2023 17:34
 Operator : KP/SY
 Sample : VSTDICC150
 Misc : 5.00G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC150

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 06/19/2023
 Supervised By :Mahesh Dadoda 06/19/2023

Quant Time: Jun 19 04:27:25 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D061623S.M
 Quant Title : SW846 8260
 QLast Update : Mon Jun 19 04:23:38 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	156904	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	271999	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	252289	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	125282	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	230605	146.691	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 293.380%#			
35) Dibromofluoromethane	7.805	113	239339	148.119	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 296.240%#			
50) Toluene-d8	10.269	98	911178	148.689	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 297.380%#			
62) 4-Bromofluorobenzene	12.575	95	294555	148.105	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 296.220%#			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.928	85	174300	146.194	ug/l	96
3) Chloromethane	2.146	50	347979	140.337	ug/l	100
4) Vinyl Chloride	2.275	62	397057	143.548	ug/l	98
5) Bromomethane	2.658	94	244562	135.983	ug/l	99
6) Chloroethane	2.817	64	267063	140.871	ug/l	100
7) Trichlorofluoromethane	3.164	101	335696	147.475	ug/l	96
8) Diethyl Ether	3.587	74	128608	150.124	ug/l	71
9) 1,1,2-Trichlorotrifluo...	3.958	101	213244	145.463	ug/l	99
10) Methyl Iodide	4.152	142	279284	160.693	ug/l	93
11) Tert butyl alcohol	5.058	59	101746	749.618	ug/l	99
12) 1,1-Dichloroethene	3.928	96	209519	145.931	ug/l #	75
13) Acrolein	3.787	56	102686	702.385	ug/l	99
14) Allyl chloride	4.552	41	391203	148.992	ug/l #	86
15) Acrylonitrile	5.246	53	358524	813.871	ug/l	99
16) Acetone	4.016	43	275201	735.662	ug/l #	81
17) Carbon Disulfide	4.258	76	584475	148.993	ug/l	99
18) Methyl Acetate	4.558	43	272482	158.055	ug/l #	80
19) Methyl tert-butyl Ether	5.311	73	610432	155.435	ug/l	95
20) Methylene Chloride	4.787	84	286816	152.748	ug/l #	75
21) trans-1,2-Dichloroethene	5.305	96	244130	147.116	ug/l #	85
22) Diisopropyl ether	6.210	45	867044	152.715	ug/l #	90
23) Vinyl Acetate	6.152	43	2325544	850.744	ug/l #	87
24) 1,1-Dichloroethane	6.111	63	470832	148.509	ug/l	96
25) 2-Butanone	7.081	43	460424	795.759	ug/l #	79
26) 2,2-Dichloropropane	7.075	77	391925	143.384	ug/l	95
27) cis-1,2-Dichloroethene	7.069	96	303146	150.945	ug/l	87
28) Bromochloromethane	7.422	49	136497	153.660	ug/l #	68
29) Tetrahydrofuran	7.440	42	302769	814.254	ug/l #	76
30) Chloroform	7.593	83	465701	148.349	ug/l	96
31) Cyclohexane	7.875	56	355461	148.753	ug/l #	82
32) 1,1,1-Trichloroethane	7.787	97	378340	149.094	ug/l	98
36) 1,1-Dichloropropene	8.005	75	337012	148.935	ug/l	97
37) Ethyl Acetate	7.163	43	204448	155.922	ug/l #	89
38) Carbon Tetrachloride	7.987	117	315891	156.189	ug/l	95
39) Methylcyclohexane	9.269	83	394071	148.401	ug/l	89
40) Benzene	8.246	78	1044325	151.340	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.393	41	110879	146.135	ug/l #	82
42) 1,2-Dichloroethane	8.322	62	284827	152.759	ug/l	94
43) Isopropyl Acetate	8.357	43	401837	161.875	ug/l #	83
44) Trichloroethene	9.028	130	274008	147.200	ug/l	98
45) 1,2-Dichloropropane	9.304	63	280137	149.730	ug/l	96
46) Dibromomethane	9.387	93	155761	155.408	ug/l	96
47) Bromodichloromethane	9.581	83	363785	151.674	ug/l	98
48) Methyl methacrylate	9.375	41	187395	164.702	ug/l #	72
49) 1,4-Dioxane	9.381	88	41849	3484.912	ug/l #	83
51) 4-Methyl-2-Pentanone	10.157	43	1075519	847.573	ug/l #	85
52) Toluene	10.334	92	658143	151.988	ug/l	98
53) t-1,3-Dichloropropene	10.551	75	390313	160.372	ug/l	99
54) cis-1,3-Dichloropropene	10.016	75	448961	155.592	ug/l #	84
55) 1,1,2-Trichloroethane	10.734	97	214823	153.230	ug/l	93
56) Ethyl methacrylate	10.599	69	300496	164.155	ug/l #	73
57) 1,3-Dichloropropane	10.881	76	370717	154.444	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.869	63	617507	795.673	ug/l	91
59) 2-Hexanone	10.922	43	749642	849.280	ug/l	81
60) Dibromochloromethane	11.075	129	263273	161.361	ug/l	97
61) 1,2-Dibromoethane	11.181	107	209104	158.885	ug/l	100
64) Tetrachloroethene	10.810	164	221945	146.557	ug/l	90
65) Chlorobenzene	11.610	112	717878	149.776	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.681	131	271478	158.377	ug/l	96
67) Ethyl Benzene	11.681	91	1308357	154.055	ug/l	98
68) m/p-Xylenes	11.793	106	1010549	304.820	ug/l	91
69) o-Xylene	12.122	106	488594	154.823	ug/l	92
70) Styrene	12.134	104	837273	153.587	ug/l	95
71) Bromoform	12.298	173	164287	159.626	ug/l #	99
73) Isopropylbenzene	12.422	105	1234705	146.380	ug/l	96
74) N-amyl acetate	12.234	43	388478	157.319	ug/l #	83
75) 1,1,2,2-Tetrachloroethane	12.675	83	266543	153.136	ug/l	97
76) 1,2,3-Trichloropropane	12.728	75	182810m	146.321	ug/l	
77) Bromobenzene	12.698	156	299538	143.941	ug/l	86
78) n-propylbenzene	12.763	91	1515191	145.482	ug/l	95
79) 2-Chlorotoluene	12.851	91	827356	144.663	ug/l	95
80) 1,3,5-Trimethylbenzene	12.904	105	1002960	145.602	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.469	75	88174	155.389	ug/l	91
82) 4-Chlorotoluene	12.945	91	867602	146.073	ug/l	95
83) tert-Butylbenzene	13.169	119	889964	145.404	ug/l	96
84) 1,2,4-Trimethylbenzene	13.210	105	1036992	149.386	ug/l	96
85) sec-Butylbenzene	13.345	105	1335495	147.034	ug/l	96
86) p-Isopropyltoluene	13.463	119	1147961	151.256	ug/l	96
87) 1,3-Dichlorobenzene	13.457	146	592050	144.839	ug/l	98
88) 1,4-Dichlorobenzene	13.540	146	586627	143.896	ug/l	99
89) n-Butylbenzene	13.787	91	1080060	145.903	ug/l	98
90) Hexachloroethane	14.051	117	211289	150.860	ug/l	96
91) 1,2-Dichlorobenzene	13.834	146	518961	145.289	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.445	75	40762	155.588	ug/l	99
93) 1,2,4-Trichlorobenzene	15.098	180	353714	148.587	ug/l	97
94) Hexachlorobutadiene	15.204	225	169060	146.077	ug/l	99
95) Naphthalene	15.334	128	744270	156.351	ug/l	99
96) 1,2,3-Trichlorobenzene	15.522	180	315689	152.211	ug/l	99

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

