

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD012224\
 Data File : VD078190.D
 Acq On : 22 Jan 2024 11:54
 Operator : RP/MD
 Sample : VSTDICCC050
 Misc : 5.00G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 01/23/2024
 Supervised By :Semsettin Yesilyurt 01/23/2024

Quant Time: Jan 23 05:26:23 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D012224S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 23 05:12:01 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.881	168	143838	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.781	114	255865	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	235497	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	113219	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	84039	51.179	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 102.360%			
35) Dibromofluoromethane	7.810	113	86349	51.278	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 102.560%			
50) Toluene-d8	10.269	98	346628	51.986	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 103.980%			
62) 4-Bromofluorobenzene	12.575	95	100966	52.215	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 104.420%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.934	85	69796	49.575	ug/l	97
3) Chloromethane	2.152	50	119715	51.458	ug/l	97
4) Vinyl Chloride	2.287	62	162994	47.787	ug/l	99
5) Bromomethane	2.699	94	109650	44.051	ug/l	99
6) Chloroethane	2.846	64	117370	49.262	ug/l	93
7) Trichlorofluoromethane	3.181	101	143142	46.138	ug/l	99
8) Diethyl Ether	3.599	74	40582	47.186	ug/l	85
9) 1,1,2-Trichlorotrifluo...	3.975	101	85527	47.597	ug/l	94
10) Methyl Iodide	4.169	142	97555	54.159	ug/l	91
11) Tert butyl alcohol	5.046	59	19812	245.079	ug/l #	94
12) 1,1-Dichloroethene	3.952	96	81822	45.967	ug/l #	76
13) Acrolein	3.805	56	48595	261.860	ug/l	96
14) Allyl chloride	4.563	41	114405	48.725	ug/l #	88
15) Acrylonitrile	5.258	53	95748	248.096	ug/l	97
16) Acetone	4.022	43	94190	234.201	ug/l #	83
17) Carbon Disulfide	4.275	76	277133	48.013	ug/l	97
18) Methyl Acetate	4.575	43	73044	51.704	ug/l	89
19) Methyl tert-butyl Ether	5.328	73	184325	49.657	ug/l	100
20) Methylene Chloride	4.805	84	100507	50.505	ug/l	91
21) trans-1,2-Dichloroethene	5.322	96	98802	48.034	ug/l	89
22) Diisopropyl ether	6.222	45	251270	50.574	ug/l	95
23) Vinyl Acetate	6.163	43	619286	252.992	ug/l #	91
24) 1,1-Dichloroethane	6.122	63	167939	48.918	ug/l	98
25) 2-Butanone	7.087	43	121107	233.391	ug/l #	85
26) 2,2-Dichloropropane	7.081	77	140278	48.777	ug/l	95
27) cis-1,2-Dichloroethene	7.087	96	108530	49.119	ug/l	91
28) Bromochloromethane	7.428	49	67488	50.402	ug/l #	75
29) Tetrahydrofuran	7.452	42	69015	254.763	ug/l #	86
30) Chloroform	7.604	83	171838	49.217	ug/l	99
31) Cyclohexane	7.881	56	144350	47.545	ug/l	91
32) 1,1,1-Trichloroethane	7.799	97	148521	49.245	ug/l	98
36) 1,1-Dichloropropene	8.010	75	136540	49.307	ug/l	95
37) Ethyl Acetate	7.175	43	48611	47.154	ug/l	94
38) Carbon Tetrachloride	7.993	117	133502	48.814	ug/l	98
39) Methylcyclohexane	9.275	83	166453	50.827	ug/l	96
40) Benzene	8.257	78	389336	49.545	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.410	41	29321	52.858	ug/l #	82
42) 1,2-Dichloroethane	8.328	62	103059	50.405	ug/l	94
43) Isopropyl Acetate	8.363	43	93893	49.714	ug/l #	91
44) Trichloroethene	9.034	130	96681	48.090	ug/l	89
45) 1,2-Dichloropropane	9.310	63	96871	49.678	ug/l	99
46) Dibromomethane	9.399	93	51470	48.064	ug/l	90
47) Bromodichloromethane	9.587	83	132704	49.332	ug/l	95
48) Methyl methacrylate	9.381	41	54678	50.005	ug/l #	79
49) 1,4-Dioxane	9.387	88	9579	924.453	ug/l #	82
51) 4-Methyl-2-Pentanone	10.163	43	250558	252.461	ug/l	88
52) Toluene	10.334	92	247898	49.768	ug/l	98
53) t-1,3-Dichloropropene	10.557	75	124467	50.154	ug/l	99
54) cis-1,3-Dichloropropene	10.016	75	151171	50.813	ug/l #	89
55) 1,1,2-Trichloroethane	10.734	97	70773	49.391	ug/l	98
56) Ethyl methacrylate	10.598	69	60905	51.923	ug/l #	83
57) 1,3-Dichloropropane	10.881	76	121946	49.763	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.869	63	185268	263.563	ug/l	94
59) 2-Hexanone	10.922	43	184482	228.746	ug/l	86
60) Dibromochloromethane	11.075	129	84271	49.882	ug/l	96
61) 1,2-Dibromoethane	11.181	107	67262	50.923	ug/l	99
64) Tetrachloroethene	10.810	164	74716	48.523	ug/l	91
65) Chlorobenzene	11.610	112	256595	49.323	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.681	131	93540	50.315	ug/l	96
67) Ethyl Benzene	11.687	91	475933	50.273	ug/l	96
68) m/p-Xylenes	11.793	106	363045	100.409	ug/l	89
69) o-Xylene	12.122	106	168976	51.496	ug/l	92
70) Styrene	12.134	104	252931	51.440	ug/l	95
71) Bromoform	12.298	173	44653	48.501	ug/l #	99
73) Isopropylbenzene	12.422	105	443392	49.807	ug/l	96
74) N-amyl acetate	12.234	43	85210	50.030	ug/l	89
75) 1,1,2,2-Tetrachloroethane	12.675	83	82261	49.661	ug/l	98
76) 1,2,3-Trichloropropane	12.722	75	54286m	51.881	ug/l	
77) Bromobenzene	12.704	156	97429	49.918	ug/l	86
78) n-propylbenzene	12.763	91	551717	49.969	ug/l	95
79) 2-Chlorotoluene	12.851	91	288820	49.019	ug/l	94
80) 1,3,5-Trimethylbenzene	12.904	105	367141	49.739	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.469	75	25208	50.003	ug/l	93
82) 4-Chlorotoluene	12.945	91	302361	48.682	ug/l	95
83) tert-Butylbenzene	13.169	119	310511	50.322	ug/l	96
84) 1,2,4-Trimethylbenzene	13.210	105	373201	49.992	ug/l	94
85) sec-Butylbenzene	13.345	105	461264	49.369	ug/l	95
86) p-Isopropyltoluene	13.463	119	406222	49.961	ug/l	96
87) 1,3-Dichlorobenzene	13.457	146	198122	49.028	ug/l	96
88) 1,4-Dichlorobenzene	13.539	146	192862	48.308	ug/l	96
89) n-Butylbenzene	13.787	91	396302	50.069	ug/l	97
90) Hexachloroethane	14.051	117	77720	48.729	ug/l	85
91) 1,2-Dichlorobenzene	13.834	146	168788	49.672	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.451	75	11252	47.533	ug/l	90
93) 1,2,4-Trichlorobenzene	15.098	180	103097	49.082	ug/l	92
94) Hexachlorobutadiene	15.204	225	50552	49.803	ug/l	99
95) Naphthalene	15.334	128	199356	50.763	ug/l	98
96) 1,2,3-Trichlorobenzene	15.522	180	87811	49.827	ug/l	98

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

