

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD010824\
 Data File : VD078129.D
 Acq On : 08 Jan 2024 13:43
 Operator : RP/MD
 Sample : VSTDIC020
 Misc : 5.00G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Quant Time: Jan 09 00:59:54 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D010824S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 09 00:46:13 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 01/09/2024
 Supervised By :Semsettin Yesilyurt 01/09/2024

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	99304	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.781	114	163483	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.587	117	148120	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	68943	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.240	65	21806	20.858	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	41.720%#		
35) Dibromofluoromethane	7.810	113	24406	20.714	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	41.420%#		
50) Toluene-d8	10.269	98	79642	20.155	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	40.320%#		
62) 4-Bromofluorobenzene	12.575	95	28084	20.417	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	40.840%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.934	85	20765	23.088	ug/l	98
3) Chloromethane	2.152	50	28084	22.241	ug/l	98
4) Vinyl Chloride	2.293	62	39093	22.016	ug/l	100
5) Bromomethane	2.699	94	28368	20.809	ug/l	96
6) Chloroethane	2.846	64	28504	21.619	ug/l	97
7) Trichlorofluoromethane	3.181	101	43245	22.163	ug/l	91
8) Diethyl Ether	3.593	74	9978	19.502	ug/l	82
9) 1,1,2-Trichlorotrifluo...	3.975	101	25528	22.011	ug/l	97
10) Methyl Iodide	4.164	142	21525	20.199	ug/l	# 89
11) Tert butyl alcohol	5.046	59	5277m	99.080	ug/l	
12) 1,1-Dichloroethene	3.952	96	20054	20.420	ug/l	88
13) Acrolein	3.805	56	10489	119.991	ug/l	97
14) Allyl chloride	4.569	41	25483	19.423	ug/l	# 84
15) Acrylonitrile	5.258	53	24533	102.487	ug/l	98
16) Acetone	4.022	43	33308	125.440	ug/l	# 75
17) Carbon Disulfide	4.281	76	47250	21.587	ug/l	# 95
18) Methyl Acetate	4.564	43	17247	18.328	ug/l	94
19) Methyl tert-butyl Ether	5.322	73	47064	19.891	ug/l	93
20) Methylene Chloride	4.805	84	32257	21.553	ug/l	# 84
21) trans-1,2-Dichloroethene	5.316	96	23420	20.954	ug/l	99
22) Diisopropyl ether	6.216	45	65069	21.092	ug/l	# 91
23) Vinyl Acetate	6.158	43	154815	108.986	ug/l	# 92
24) 1,1-Dichloroethane	6.116	63	44818	20.822	ug/l	95
25) 2-Butanone	7.081	43	36431	112.806	ug/l	# 82
26) 2,2-Dichloropropane	7.087	77	40720	21.149	ug/l	96
27) cis-1,2-Dichloroethene	7.081	96	29483	21.455	ug/l	91
28) Bromochloromethane	7.434	49	15547	19.921	ug/l	# 77
29) Tetrahydrofuran	7.452	42	17385	102.609	ug/l	# 82
30) Chloroform	7.599	83	49218	21.096	ug/l	97
31) Cyclohexane	7.881	56	31938	20.190	ug/l	95
32) 1,1,1-Trichloroethane	7.793	97	42915	21.266	ug/l	97
36) 1,1-Dichloropropene	8.016	75	32865	20.659	ug/l	97
37) Ethyl Acetate	7.169	43	14187	22.659	ug/l	# 86
38) Carbon Tetrachloride	7.987	117	37628	20.537	ug/l	96
39) Methylcyclohexane	9.275	83	35159	20.082	ug/l	94
40) Benzene	8.252	78	98815	20.810	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.399	41	7569	21.164	ug/l #	83
42) 1,2-Dichloroethane	8.334	62	27415	20.515	ug/l	95
43) Isopropyl Acetate	8.357	43	25542	21.161	ug/l #	76
44) Trichloroethene	9.028	130	25656	19.982	ug/l	86
45) 1,2-Dichloropropane	9.304	63	25424	20.760	ug/l	98
46) Dibromomethane	9.393	93	14935	22.043	ug/l	92
47) Bromodichloromethane	9.587	83	39031	21.668	ug/l	97
48) Methyl methacrylate	9.381	41	12553	18.819	ug/l #	79
49) 1,4-Dioxane	9.393	88	2359	398.290	ug/l #	87
51) 4-Methyl-2-Pentanone	10.163	43	64539	103.203	ug/l	89
52) Toluene	10.334	92	61358	20.460	ug/l	96
53) t-1,3-Dichloropropene	10.551	75	32674	20.438	ug/l	99
54) cis-1,3-Dichloropropene	10.022	75	37976	20.819	ug/l #	90
55) 1,1,2-Trichloroethane	10.734	97	20332	21.395	ug/l	96
56) Ethyl methacrylate	10.593	69	14275	19.275	ug/l #	76
57) 1,3-Dichloropropane	10.881	76	31943	20.710	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.875	63	31220	92.322	ug/l	91
59) 2-Hexanone	10.922	43	52485	111.627	ug/l	84
60) Dibromochloromethane	11.081	129	24997	20.818	ug/l	98
61) 1,2-Dibromoethane	11.181	107	18145	20.739	ug/l	99
64) Tetrachloroethene	10.810	164	20262	20.204	ug/l	91
65) Chlorobenzene	11.604	112	69000	20.247	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.681	131	26534	20.044	ug/l	94
67) Ethyl Benzene	11.687	91	119234	19.923	ug/l	96
68) m/p-Xylenes	11.798	106	91669	39.736	ug/l	88
69) o-Xylene	12.122	106	41713	19.526	ug/l	91
70) Styrene	12.140	104	65159	20.064	ug/l	95
71) Bromoform	12.304	173	13281	19.849	ug/l #	92
73) Isopropylbenzene	12.422	105	117199	21.379	ug/l	96
74) N-amyl acetate	12.234	43	21117	21.063	ug/l	91
75) 1,1,2,2-Tetrachloroethane	12.675	83	22412	21.727	ug/l	94
76) 1,2,3-Trichloropropane	12.722	75	15237m	20.974	ug/l	
77) Bromobenzene	12.704	156	26612	21.133	ug/l	87
78) n-propylbenzene	12.763	91	139422	20.983	ug/l	96
79) 2-Chlorotoluene	12.851	91	74260	21.005	ug/l	96
80) 1,3,5-Trimethylbenzene	12.904	105	97227	21.371	ug/l	94
81) trans-1,4-Dichloro-2-b...	12.469	75	6575	21.587	ug/l	90
82) 4-Chlorotoluene	12.945	91	78780	20.717	ug/l	96
83) tert-Butylbenzene	13.169	119	84609	21.242	ug/l	95
84) 1,2,4-Trimethylbenzene	13.216	105	93668	20.739	ug/l	97
85) sec-Butylbenzene	13.345	105	119929	20.551	ug/l	97
86) p-Isopropyltoluene	13.463	119	106429	20.597	ug/l	97
87) 1,3-Dichlorobenzene	13.457	146	55264	21.152	ug/l	95
88) 1,4-Dichlorobenzene	13.540	146	55616	21.550	ug/l	96
89) n-Butylbenzene	13.787	91	102724	20.935	ug/l	96
90) Hexachloroethane	14.051	117	22485	21.172	ug/l	88
91) 1,2-Dichlorobenzene	13.834	146	47128	20.910	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.451	75	3205	22.930	ug/l	92
93) 1,2,4-Trichlorobenzene	15.098	180	28877	20.691	ug/l	95
94) Hexachlorobutadiene	15.204	225	16853	21.403	ug/l	96
95) Naphthalene	15.334	128	47761	19.304	ug/l	98
96) 1,2,3-Trichlorobenzene	15.516	180	23407	19.666	ug/l	92

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

