

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD021324\
 Data File : VD078398.D
 Acq On : 13 Feb 2024 10:04
 Operator : RP/MD
 Sample : VSTDICC005
 Misc : 5.00G/5ml/MSVOA_D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC005

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 02/14/2024
 Supervised By :Semsettin Yesilyurt 02/14/2024

Quant Time: Feb 14 00:47:57 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D021324S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 14 00:36:44 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	147052	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.781	114	272920	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	248079	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	113163	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	8488	5.338	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	10.680%#		
35) Dibromofluoromethane	7.816	113	8250	4.759	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	9.520%#		
50) Toluene-d8	10.269	98	32703	4.716	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	9.440%#		
62) 4-Bromofluorobenzene	12.575	95	9349	4.633	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	9.260%#		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.940	85	8343	5.758	ug/l	96
3) Chloromethane	2.152	50	15849	5.952	ug/l	# 88
4) Vinyl Chloride	2.287	62	23690	5.831	ug/l	99
5) Bromomethane	2.693	94	15301	5.456	ug/l	99
6) Chloroethane	2.846	64	16946	5.720	ug/l	95
7) Trichlorofluoromethane	3.175	101	15925	5.810	ug/l	# 83
8) Diethyl Ether	3.599	74	4554	5.769	ug/l	82
9) 1,1,2-Trichlorotrifluo...	3.964	101	10712m	6.195	ug/l	
10) Methyl Iodide	4.164	142	7050	4.552	ug/l	# 88
11) Tert butyl alcohol	5.075	59	2674	25.967	ug/l	# 81
12) 1,1-Dichloroethene	3.952	96	9618	6.000	ug/l	88
13) Acrolein	3.799	56	3686	25.094	ug/l	95
14) Allyl chloride	4.558	41	11183	5.647	ug/l	# 82
15) Acrylonitrile	5.258	53	9651	28.557	ug/l	96
16) Acetone	4.034	43	11164	14.008	ug/l	# 83
17) Carbon Disulfide	4.264	76	32039	5.940	ug/l	98
18) Methyl Acetate	4.564	43	3958	7.177	ug/l	# 67
19) Methyl tert-butyl Ether	5.317	73	17811	5.229	ug/l	100
20) Methylene Chloride	4.799	84	13064	4.438	ug/l	91
21) trans-1,2-Dichloroethene	5.322	96	10810m	5.732	ug/l	
22) Diisopropyl ether	6.216	45	23361	5.352	ug/l	# 79
23) Vinyl Acetate	6.164	43	62419m	21.864	ug/l	
24) 1,1-Dichloroethane	6.116	63	17564	5.680	ug/l	96
25) 2-Butanone	7.087	43	13349	18.865	ug/l	# 73
26) 2,2-Dichloropropane	7.069	77	15267	5.890	ug/l	# 69
27) cis-1,2-Dichloroethene	7.081	96	11821	5.713	ug/l	95
28) Bromochloromethane	7.428	49	6588	5.379	ug/l	# 74
29) Tetrahydrofuran	7.452	42	6602	27.920	ug/l	# 85
30) Chloroform	7.599	83	18841	5.759	ug/l	89
31) Cyclohexane	7.881	56	16874m	6.274	ug/l	
32) 1,1,1-Trichloroethane	7.787	97	15802	5.665	ug/l	93
36) 1,1-Dichloropropene	8.011	75	14050	5.217	ug/l	94
37) Ethyl Acetate	7.169	43	4820m	5.105	ug/l	
38) Carbon Tetrachloride	7.999	117	14005	5.251	ug/l	# 80
39) Methylcyclohexane	9.275	83	17285	5.406	ug/l	97
40) Benzene	8.252	78	39455	5.068	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.405	41	2412	4.909	ug/l #	76
42) 1,2-Dichloroethane	8.328	62	11005	5.464	ug/l	94
43) Isopropyl Acetate	8.369	43	8599	4.919	ug/l #	85
44) Trichloroethene	9.028	130	10284	5.178	ug/l	92
45) 1,2-Dichloropropane	9.305	63	10174	5.327	ug/l	91
46) Dibromomethane	9.387	93	5647	5.256	ug/l #	88
47) Bromodichloromethane	9.581	83	13948	5.242	ug/l #	91
48) Methyl methacrylate	9.381	41	4556	4.912	ug/l #	79
49) 1,4-Dioxane	9.399	88	1213	104.262	ug/l #	71
51) 4-Methyl-2-Pentanone	10.157	43	23206	25.010	ug/l #	84
52) Toluene	10.334	92	24061	4.888	ug/l	98
53) t-1,3-Dichloropropene	10.552	75	11730	4.831	ug/l	95
54) cis-1,3-Dichloropropene	10.016	75	14560	4.946	ug/l #	88
55) 1,1,2-Trichloroethane	10.734	97	7579	5.239	ug/l	96
56) Ethyl methacrylate	10.593	69	6838	5.111	ug/l #	79
57) 1,3-Dichloropropane	10.881	76	13370	5.433	ug/l	90
58) 2-Chloroethyl Vinyl ether	9.869	63	15141	19.211	ug/l	95
59) 2-Hexanone	10.922	43	17582	25.215	ug/l	87
60) Dibromochloromethane	11.075	129	8315	4.777	ug/l	99
61) 1,2-Dibromoethane	11.175	107	6555	4.826	ug/l	96
64) Tetrachloroethene	10.810	164	8612	5.496	ug/l #	81
65) Chlorobenzene	11.604	112	25924	5.198	ug/l	93
66) 1,1,1,2-Tetrachloroethane	11.681	131	9389	5.123	ug/l	93
67) Ethyl Benzene	11.687	91	44650	4.997	ug/l	96
68) m/p-Xylenes	11.799	106	33233	9.534	ug/l	88
69) o-Xylene	12.122	106	15666	4.925	ug/l	96
70) Styrene	12.140	104	26901	5.182	ug/l	98
71) Bromoform	12.299	173	5233	5.424	ug/l #	97
73) Isopropylbenzene	12.422	105	39956	5.258	ug/l	95
74) N-amyl acetate	12.234	43	7920	5.509	ug/l #	90
75) 1,1,2,2-Tetrachloroethane	12.675	83	8831	5.859	ug/l	92
76) 1,2,3-Trichloropropane	12.722	75	5180m	5.378	ug/l	
77) Bromobenzene	12.704	156	9928	5.559	ug/l	85
78) n-propylbenzene	12.763	91	50463	5.329	ug/l	94
79) 2-Chlorotoluene	12.851	91	27287	5.380	ug/l	92
80) 1,3,5-Trimethylbenzene	12.904	105	31950	5.064	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.481	75	2708	5.852	ug/l	96
82) 4-Chlorotoluene	12.951	91	29667	5.446	ug/l	97
83) tert-Butylbenzene	13.169	119	27101	5.093	ug/l	92
84) 1,2,4-Trimethylbenzene	13.216	105	31315	4.890	ug/l	94
85) sec-Butylbenzene	13.345	105	44957	5.448	ug/l	95
86) p-Isopropyltoluene	13.463	119	35260	5.016	ug/l	95
87) 1,3-Dichlorobenzene	13.463	146	20379	5.347	ug/l	99
88) 1,4-Dichlorobenzene	13.540	146	20305	5.422	ug/l	91
89) n-Butylbenzene	13.793	91	36235	5.348	ug/l	96
90) Hexachloroethane	14.057	117	8398	5.813	ug/l	83
91) 1,2-Dichlorobenzene	13.834	146	17157	5.360	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.445	75	981	4.970	ug/l	93
93) 1,2,4-Trichlorobenzene	15.104	180	9828	5.225	ug/l	91
94) Hexachlorobutadiene	15.204	225	5752	5.859	ug/l	91
95) Naphthalene	15.340	128	16969	4.864	ug/l	96
96) 1,2,3-Trichlorobenzene	15.522	180	8381	5.257	ug/l	100

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

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