

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD010824\
 Data File : VD078134.D
 Acq On : 08 Jan 2024 16:14
 Operator : RP/MD
 Sample : VSTDICC005
 Misc : 5.00G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC005

Manual Integrations
 APPROVED

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

Quant Time: Jan 09 01:22:39 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D010824S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 09 01:21:28 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.881	168	104735	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	181772	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	159791	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	73685	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.240	65	6038	5.476	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	10.960%#		
35) Dibromofluoromethane	7.810	113	6980	5.328	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	10.660%#		
50) Toluene-d8	10.275	98	21859	4.975	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	9.960%#		
62) 4-Bromofluorobenzene	12.575	95	8528	5.576	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	11.160%#		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.934	85	5886	2.658	ug/l	92
3) Chloromethane	2.152	50	7103	5.334	ug/l	96
4) Vinyl Chloride	2.293	62	9140	4.880	ug/l	94
5) Bromomethane	2.705	94	8282	5.760	ug/l	92
6) Chloroethane	2.852	64	6427	4.622	ug/l	98
7) Trichlorofluoromethane	3.193	101	10969	5.330	ug/l #	80
8) Diethyl Ether	3.599	74	3168	5.871	ug/l	96
9) 1,1,2-Trichlorotrifluo...	3.987	101	6376m	5.212	ug/l	
10) Methyl Iodide	4.175	142	3866	4.403	ug/l	97
11) Tert butyl alcohol	5.040	59	1571m	27.967	ug/l	
12) 1,1-Dichloroethene	3.952	96	5679	5.483	ug/l	90
13) Acrolein	3.793	56	2305m	24.883	ug/l	
14) Allyl chloride	4.575	41	7131	5.153	ug/l #	80
15) Acrylonitrile	5.263	53	6200	24.558	ug/l	92
16) Acetone	4.034	43	9792	14.073	ug/l #	79
17) Carbon Disulfide	4.287	76	10937	4.738	ug/l	100
18) Methyl Acetate	4.569	43	4831	4.868	ug/l #	68
19) Methyl tert-butyl Ether	5.322	73	12337	4.944	ug/l	96
20) Methylene Chloride	4.816	84	12580	3.260	ug/l #	79
21) trans-1,2-Dichloroethene	5.311	96	5528m	4.689	ug/l	
22) Diisopropyl ether	6.228	45	14669	4.508	ug/l	96
23) Vinyl Acetate	6.158	43	35293	23.557	ug/l #	84
24) 1,1-Dichloroethane	6.122	63	11658	5.135	ug/l	97
25) 2-Butanone	7.087	43	9275	27.230	ug/l #	73
26) 2,2-Dichloropropane	7.087	77	10048	4.948	ug/l	96
27) cis-1,2-Dichloroethene	7.081	96	7093	4.894	ug/l	91
28) Bromochloromethane	7.428	49	3941	4.788	ug/l #	51
29) Tetrahydrofuran	7.452	42	4720	26.414	ug/l #	65
30) Chloroform	7.599	83	12594	5.118	ug/l	94
31) Cyclohexane	7.887	56	9724	5.828	ug/l	94
32) 1,1,1-Trichloroethane	7.805	97	9907	4.655	ug/l	95
36) 1,1-Dichloropropene	8.010	75	7986	4.515	ug/l	91
37) Ethyl Acetate	7.169	43	3805	5.466	ug/l #	73
38) Carbon Tetrachloride	7.993	117	9774	4.798	ug/l	93
39) Methylcyclohexane	9.281	83	9168	4.710	ug/l	93
40) Benzene	8.252	78	24253	4.594	ug/l	91

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.405	41	1583	3.981	ug/l #	74
42) 1,2-Dichloroethane	8.322	62	7156	4.816	ug/l	92
43) Isopropyl Acetate	8.369	43	6291	4.688	ug/l #	81
44) Trichloroethene	9.040	130	6851	4.799	ug/l	100
45) 1,2-Dichloropropane	9.304	63	6389	4.692	ug/l #	88
46) Dibromomethane	9.393	93	3213	4.265	ug/l	94
47) Bromodichloromethane	9.587	83	8952	4.470	ug/l	86
48) Methyl methacrylate	9.381	41	3438	4.636	ug/l #	72
49) 1,4-Dioxane	9.381	88	652	99.007	ug/l #	55
51) 4-Methyl-2-Pentanone	10.157	43	15836	22.775	ug/l	90
52) Toluene	10.340	92	14836	4.449	ug/l	99
53) t-1,3-Dichloropropene	10.551	75	8162	4.592	ug/l	92
54) cis-1,3-Dichloropropene	10.016	75	8574	4.228	ug/l #	64
55) 1,1,2-Trichloroethane	10.734	97	5267	4.985	ug/l	92
56) Ethyl methacrylate	10.598	69	3757	4.563	ug/l #	76
57) 1,3-Dichloropropane	10.881	76	7999	4.664	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.869	63	8144	21.660	ug/l	93
59) 2-Hexanone	10.928	43	12071	23.090	ug/l	95
60) Dibromochloromethane	11.075	129	6088	4.560	ug/l	91
61) 1,2-Dibromoethane	11.181	107	4835	4.970	ug/l	94
64) Tetrachloroethene	10.810	164	5893	5.447	ug/l #	79
65) Chlorobenzene	11.604	112	19016	5.172	ug/l #	79
66) 1,1,1,2-Tetrachloroethane	11.681	131	6820	4.775	ug/l	93
67) Ethyl Benzene	11.687	91	28584	4.427	ug/l	99
68) m/p-Xylenes	11.793	106	22278	8.952	ug/l	99
69) o-Xylene	12.128	106	10443	4.531	ug/l	94
70) Styrene	12.134	104	14690	4.193	ug/l	93
71) Bromoform	12.298	173	3500	4.849	ug/l #	96
73) Isopropylbenzene	12.422	105	27064	4.619	ug/l	94
74) N-amyl acetate	12.234	43	5392	5.032	ug/l #	81
75) 1,1,2,2-Tetrachloroethane	12.675	83	5723	5.191	ug/l	97
76) 1,2,3-Trichloropropane	12.728	75	3299m	4.249	ug/l	
77) Bromobenzene	12.704	156	7124	5.293	ug/l	82
78) n-propylbenzene	12.763	91	32845	4.625	ug/l	93
79) 2-Chlorotoluene	12.851	91	17467	4.623	ug/l	99
80) 1,3,5-Trimethylbenzene	12.904	105	21877	4.499	ug/l	93
81) trans-1,4-Dichloro-2-b...	12.475	75	1473	4.525	ug/l #	73
82) 4-Chlorotoluene	12.951	91	19944	4.907	ug/l	96
83) tert-Butylbenzene	13.169	119	19326	4.540	ug/l	92
84) 1,2,4-Trimethylbenzene	13.216	105	21030	4.357	ug/l	96
85) sec-Butylbenzene	13.345	105	28560	4.579	ug/l	98
86) p-Isopropyltoluene	13.463	119	24749	4.481	ug/l	97
87) 1,3-Dichlorobenzene	13.463	146	13213	4.732	ug/l	99
88) 1,4-Dichlorobenzene	13.545	146	13548	4.912	ug/l	86
89) n-Butylbenzene	13.787	91	25182	4.802	ug/l	99
90) Hexachloroethane	14.051	117	5656	4.983	ug/l	75
91) 1,2-Dichlorobenzene	13.834	146	12033	4.995	ug/l	94
92) 1,2-Dibromo-3-Chloropr...	14.451	75	782	5.235	ug/l	87
93) 1,2,4-Trichlorobenzene	15.104	180	7936	5.320	ug/l	99
94) Hexachlorobutadiene	15.210	225	4463	5.303	ug/l	99
95) Naphthalene	15.334	128	13241	5.007	ug/l #	94
96) 1,2,3-Trichlorobenzene	15.516	180	6679	5.250	ug/l	95

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

