

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD012224\
 Data File : VD078197.D
 Acq On : 22 Jan 2024 17:45
 Operator : RP/MD
 Sample : VSTDICC005
 Misc : 5.00G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC005

Quant Time: Jan 23 05:29:49 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

Manual Integrations APPROVED

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

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

Internal Standards						
1) Pentafluorobenzene	7.881	168	128772	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.781	114	242640	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.586	117	220185	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.521	152	96889	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.233	65	7295	4.962	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	9.920%#		
35) Dibromofluoromethane	7.810	113	7956	4.982	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	9.960%#		
50) Toluene-d8	10.275	98	30141	4.767	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	9.540%#		
62) 4-Bromofluorobenzene	12.574	95	8904	4.856	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	9.720%#		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.940	85	9654	2.914	ug/l	89
3) Chloromethane	2.157	50	14833	2.838	ug/l	99
4) Vinyl Chloride	2.293	62	16854	5.519	ug/l	98
5) Bromomethane	2.699	94	12987	5.828	ug/l	94
6) Chloroethane	2.846	64	12040	5.645	ug/l	98
7) Trichlorofluoromethane	3.193	101	16091	5.793	ug/l	86
8) Diethyl Ether	3.604	74	4146	5.385	ug/l	77
9) 1,1,2-Trichlorotrifluo...	3.975	101	8561	5.322	ug/l #	93
10) Methyl Iodide	4.175	142	7096	4.400	ug/l #	85
11) Tert butyl alcohol	5.063	59	1880	25.977	ug/l #	73
12) 1,1-Dichloroethene	3.951	96	8748	5.490	ug/l #	82
13) Acrolein	3.804	56	3912	23.547	ug/l	90
14) Allyl chloride	4.575	41	12081	5.747	ug/l #	89
15) Acrylonitrile	5.257	53	9466	27.397	ug/l #	88
16) Acetone	4.022	43	14540	13.418	ug/l #	84
17) Carbon Disulfide	4.281	76	28559	5.527	ug/l	99
18) Methyl Acetate	4.569	43	6956	5.500	ug/l #	84
19) Methyl tert-butyl Ether	5.322	73	17838	5.368	ug/l	93
20) Methylene Chloride	4.810	84	18536	6.566	ug/l #	82
21) trans-1,2-Dichloroethene	5.322	96	9829	5.338	ug/l #	92
22) Diisopropyl ether	6.228	45	22473	5.052	ug/l	92
23) Vinyl Acetate	6.157	43	56290m	25.686	ug/l	
24) 1,1-Dichloroethane	6.122	63	17468	5.683	ug/l	96
25) 2-Butanone	7.081	43	15751	24.742	ug/l #	79
26) 2,2-Dichloropropane	7.075	77	13722	5.330	ug/l	97
27) cis-1,2-Dichloroethene	7.075	96	10168	5.140	ug/l	79
28) Bromochloromethane	7.428	49	6163	5.141	ug/l #	71
29) Tetrahydrofuran	7.451	42	5882	24.253	ug/l	93
30) Chloroform	7.604	83	17260	5.522	ug/l	91
31) Cyclohexane	7.881	56	16633	6.119	ug/l #	92
32) 1,1,1-Trichloroethane	7.798	97	14226	5.269	ug/l	99
36) 1,1-Dichloropropene	8.010	75	13669	5.205	ug/l	94
37) Ethyl Acetate	7.175	43	5629	5.758	ug/l #	68
38) Carbon Tetrachloride	7.998	117	13026	5.022	ug/l	94
39) Methylcyclohexane	9.281	83	15479	4.984	ug/l	91
40) Benzene	8.257	78	37823	5.075	ug/l #	88

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.392	41	2517	4.785	ug/l #	32
42) 1,2-Dichloroethane	8.328	62	10103	5.211	ug/l	90
43) Isopropyl Acetate	8.369	43	8959	5.002	ug/l #	76
44) Trichloroethene	9.039	130	9857	5.170	ug/l	84
45) 1,2-Dichloropropane	9.304	63	9164	4.956	ug/l	90
46) Dibromomethane	9.404	93	4999	4.923	ug/l #	86
47) Bromodichloromethane	9.592	83	13668	5.358	ug/l	99
48) Methyl methacrylate	9.386	41	5243	5.056	ug/l #	73
49) 1,4-Dioxane	9.380	88	1021	103.906	ug/l #	84
51) 4-Methyl-2-Pentanone	10.163	43	23419	24.883	ug/l	90
52) Toluene	10.339	92	23562	4.988	ug/l	93
53) t-1,3-Dichloropropene	10.563	75	11303	4.803	ug/l	96
54) cis-1,3-Dichloropropene	10.016	75	13063	4.630	ug/l #	84
55) 1,1,2-Trichloroethane	10.727	97	7313	5.382	ug/l #	85
56) Ethyl methacrylate	10.604	69	4913	4.417	ug/l #	63
57) 1,3-Dichloropropane	10.880	76	11075	4.766	ug/l	92
58) 2-Chloroethyl Vinyl ether	9.875	63	14355	21.535	ug/l	92
59) 2-Hexanone	10.922	43	19843	25.945	ug/l	89
60) Dibromochloromethane	11.075	129	7966	4.972	ug/l	92
61) 1,2-Dibromoethane	11.180	107	6068	4.844	ug/l	90
64) Tetrachloroethene	10.816	164	7402	5.141	ug/l	94
65) Chlorobenzene	11.610	112	24621	5.062	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.680	131	8420	4.844	ug/l	97
67) Ethyl Benzene	11.686	91	42037	4.749	ug/l	97
68) m/p-Xylenes	11.798	106	32539	9.625	ug/l	95
69) o-Xylene	12.127	106	13949	4.547	ug/l	91
70) Styrene	12.139	104	20812	4.527	ug/l	94
71) Bromoform	12.298	173	4582	5.323	ug/l #	99
73) Isopropylbenzene	12.422	105	37573	4.932	ug/l	95
74) N-amyl acetate	12.233	43	7495	5.142	ug/l #	88
75) 1,1,2,2-Tetrachloroethane	12.674	83	7809	5.509	ug/l	98
76) 1,2,3-Trichloropropane	12.722	75	4957m	5.536	ug/l	
77) Bromobenzene	12.704	156	8400	5.029	ug/l	83
78) n-propylbenzene	12.763	91	46789	4.952	ug/l	93
79) 2-Chlorotoluene	12.851	91	26151	5.186	ug/l	94
80) 1,3,5-Trimethylbenzene	12.904	105	30676	4.856	ug/l	93
81) trans-1,4-Dichloro-2-b...	12.480	75	2172	5.035	ug/l #	80
82) 4-Chlorotoluene	12.951	91	27867	5.243	ug/l	90
83) tert-Butylbenzene	13.169	119	25083	4.750	ug/l	96
84) 1,2,4-Trimethylbenzene	13.210	105	29896	4.680	ug/l	94
85) sec-Butylbenzene	13.351	105	40174	5.024	ug/l	94
86) p-Isopropyltoluene	13.463	119	32577	4.682	ug/l	94
87) 1,3-Dichlorobenzene	13.463	146	17341	5.014	ug/l	97
88) 1,4-Dichlorobenzene	13.539	146	18000	5.269	ug/l	90
89) n-Butylbenzene	13.792	91	34259	5.058	ug/l	95
90) Hexachloroethane	14.057	117	6693	4.904	ug/l	94
91) 1,2-Dichlorobenzene	13.833	146	14195	4.881	ug/l	91
92) 1,2-Dibromo-3-Chloropr...	14.445	75	1159	5.721	ug/l	86
93) 1,2,4-Trichlorobenzene	15.104	180	9392	5.225	ug/l	89
94) Hexachlorobutadiene	15.204	225	4097	4.717	ug/l	92
95) Naphthalene	15.333	128	15793	4.699	ug/l #	93
96) 1,2,3-Trichlorobenzene	15.521	180	7683	5.094	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

