

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD120823\
 Data File : VD077785.D
 Acq On : 08 Dec 2023 11:01
 Operator : JC/SY
 Sample : VSTDICCC050
 Misc : 5.00G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 12/11/2023
 Supervised By : Mahesh Dadoda 12/11/2023

Quant Time: Dec 08 13:38:33 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D120823S.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 08 13:33:18 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.881	168	150411	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	241218	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.587	117	226079	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	121113	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.240	65	91080	51.389	ug/l	0.01
Spiked Amount 50.000	Range 50 - 163		Recovery = 102.780%			
35) Dibromofluoromethane	7.810	113	91476	54.139	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 108.280%			
50) Toluene-d8	10.269	98	377422	55.772	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 111.540%			
62) 4-Bromofluorobenzene	12.575	95	109950	54.343	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 108.680%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.934	85	90833	48.344	ug/l	96
3) Chloromethane	2.152	50	126270	49.304	ug/l	98
4) Vinyl Chloride	2.293	62	178557	51.357	ug/l	99
5) Bromomethane	2.699	94	101362	51.957	ug/l	99
6) Chloroethane	2.846	64	120908	51.009	ug/l	99
7) Trichlorofluoromethane	3.181	101	163446	51.044	ug/l	97
8) Diethyl Ether	3.599	74	46207	51.390	ug/l	90
9) 1,1,2-Trichlorotrifluo...	3.975	101	94580	51.631	ug/l	98
10) Methyl Iodide	4.169	142	81482	50.650	ug/l #	90
11) Tert butyl alcohol	5.046	59	20929	244.986	ug/l #	73
12) 1,1-Dichloroethene	3.946	96	93588	51.763	ug/l	86
13) Acrolein	3.799	56	46368	247.316	ug/l	97
14) Allyl chloride	4.569	41	126455	50.854	ug/l #	89
15) Acrylonitrile	5.258	53	96879	251.649	ug/l	100
16) Acetone	4.022	43	88980	229.740	ug/l #	81
17) Carbon Disulfide	4.275	76	311726	50.963	ug/l	97
18) Methyl Acetate	4.569	43	70267	50.340	ug/l	89
19) Methyl tert-butyl Ether	5.328	73	195719	51.023	ug/l	97
20) Methylene Chloride	4.811	84	109359	52.326	ug/l #	84
21) trans-1,2-Dichloroethene	5.316	96	108916	53.186	ug/l	93
22) Diisopropyl ether	6.222	45	271671	52.281	ug/l	95
23) Vinyl Acetate	6.163	43	659796	260.010	ug/l #	88
24) 1,1-Dichloroethane	6.122	63	180877	51.401	ug/l	98
25) 2-Butanone	7.087	43	115740	236.768	ug/l #	81
26) 2,2-Dichloropropane	7.081	77	151050	51.125	ug/l	96
27) cis-1,2-Dichloroethene	7.087	96	115723	52.517	ug/l	89
28) Bromochloromethane	7.434	49	73266	51.525	ug/l #	77
29) Tetrahydrofuran	7.446	42	70824	250.940	ug/l	87
30) Chloroform	7.599	83	183058	51.978	ug/l	95
31) Cyclohexane	7.881	56	158689	50.338	ug/l	87
32) 1,1,1-Trichloroethane	7.799	97	162244	52.257	ug/l	99
36) 1,1-Dichloropropene	8.010	75	148027	54.770	ug/l	96
37) Ethyl Acetate	7.175	43	50033	47.477	ug/l	94
38) Carbon Tetrachloride	7.993	117	147247	54.649	ug/l	98
39) Methylcyclohexane	9.275	83	179976	56.172	ug/l	89
40) Benzene	8.257	78	417103	54.375	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.399	41	26197	48.909	ug/l #	87
42) 1,2-Dichloroethane	8.328	62	107107	53.867	ug/l	93
43) Isopropyl Acetate	8.363	43	97477	52.034	ug/l #	92
44) Trichloroethene	9.034	130	110045	55.050	ug/l	94
45) 1,2-Dichloropropane	9.310	63	100645	53.972	ug/l	100
46) Dibromomethane	9.399	93	53361	54.082	ug/l	95
47) Bromodichloromethane	9.587	83	136693	54.658	ug/l	100
48) Methyl methacrylate	9.381	41	56442	53.003	ug/l #	77
49) 1,4-Dioxane	9.387	88	9211	940.161	ug/l #	73
51) 4-Methyl-2-Pentanone	10.163	43	254551	266.246	ug/l	87
52) Toluene	10.334	92	267010	56.115	ug/l	98
53) t-1,3-Dichloropropene	10.557	75	131259	54.656	ug/l	98
54) cis-1,3-Dichloropropene	10.016	75	158865	54.713	ug/l #	90
55) 1,1,2-Trichloroethane	10.734	97	72697	53.865	ug/l	96
56) Ethyl methacrylate	10.599	69	64579	54.281	ug/l #	83
57) 1,3-Dichloropropane	10.881	76	126424	54.345	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.875	63	167773	247.283	ug/l	93
59) 2-Hexanone	10.922	43	184655	232.797	ug/l	86
60) Dibromochloromethane	11.075	129	88386	54.395	ug/l	96
61) 1,2-Dibromoethane	11.181	107	67204	52.899	ug/l	98
64) Tetrachloroethene	10.810	164	90084	54.213	ug/l	94
65) Chlorobenzene	11.610	112	279118	52.465	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.681	131	101234	53.848	ug/l	94
67) Ethyl Benzene	11.687	91	512770	54.478	ug/l	100
68) m/p-Xylenes	11.793	106	400720	111.303	ug/l	91
69) o-Xylene	12.122	106	182644	55.045	ug/l	92
70) Styrene	12.140	104	273800	55.494	ug/l	94
71) Bromoform	12.298	173	51902	52.837	ug/l #	99
73) Isopropylbenzene	12.422	105	494854	53.910	ug/l	97
74) N-amyl acetate	12.234	43	91075	50.474	ug/l	92
75) 1,1,2,2-Tetrachloroethane	12.675	83	83651	52.265	ug/l	94
76) 1,2,3-Trichloropropane	12.728	75	51366m	48.833	ug/l	
77) Bromobenzene	12.704	156	112056	51.900	ug/l	92
78) n-propylbenzene	12.763	91	608010	54.358	ug/l	96
79) 2-Chlorotoluene	12.851	91	318083	53.064	ug/l	96
80) 1,3,5-Trimethylbenzene	12.904	105	417292	54.506	ug/l	95
81) trans-1,4-Dichloro-2-b...	12.475	75	26615	51.265	ug/l	90
82) 4-Chlorotoluene	12.951	91	334594	53.393	ug/l	95
83) tert-Butylbenzene	13.169	119	353872	54.751	ug/l	97
84) 1,2,4-Trimethylbenzene	13.216	105	416675	54.415	ug/l	96
85) sec-Butylbenzene	13.345	105	522738	54.715	ug/l	97
86) p-Isopropyltoluene	13.463	119	476068	55.656	ug/l	97
87) 1,3-Dichlorobenzene	13.463	146	236599	53.586	ug/l	99
88) 1,4-Dichlorobenzene	13.540	146	232874	52.935	ug/l	98
89) n-Butylbenzene	13.792	91	449291	55.821	ug/l	98
90) Hexachloroethane	14.057	117	84992	54.029	ug/l	98
91) 1,2-Dichlorobenzene	13.834	146	194389	51.766	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.451	75	12141	52.413	ug/l	96
93) 1,2,4-Trichlorobenzene	15.104	180	129010	50.297	ug/l	99
94) Hexachlorobutadiene	15.204	225	74390	53.783	ug/l	98
95) Naphthalene	15.334	128	224464	52.670	ug/l	99
96) 1,2,3-Trichlorobenzene	15.522	180	108344	51.237	ug/l	98

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

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