

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD120823\
 Data File : VD077786.D
 Acq On : 08 Dec 2023 11:28
 Operator : JC/SY
 Sample : VSTDICC100
 Misc : 5.00G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

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

Quant Time: Dec 08 13:37:47 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	160233	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	272083	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	249705	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	134274	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	174955	92.661	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 185.320%#			
35) Dibromofluoromethane	7.810	113	181378	95.169	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 190.340%#			
50) Toluene-d8	10.269	98	743801	97.443	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 194.880%#			
62) 4-Bromofluorobenzene	12.575	95	224560	98.400	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 196.800%#			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.934	85	172331	86.098	ug/l	96
3) Chloromethane	2.152	50	241380	88.473	ug/l	98
4) Vinyl Chloride	2.287	62	345181	93.196	ug/l	98
5) Bromomethane	2.693	94	210477	101.274	ug/l	98
6) Chloroethane	2.840	64	225886	89.455	ug/l	97
7) Trichlorofluoromethane	3.181	101	310832	91.121	ug/l	100
8) Diethyl Ether	3.599	74	92351	96.414	ug/l	81
9) 1,1,2-Trichlorotrifluo...	3.975	101	178479	91.458	ug/l	99
10) Methyl Iodide	4.169	142	176606	96.077	ug/l	93
11) Tert butyl alcohol	5.052	59	42466	477.297	ug/l	98
12) 1,1-Dichloroethene	3.952	96	185314	96.214	ug/l #	82
13) Acrolein	3.805	56	105583	528.634	ug/l	98
14) Allyl chloride	4.569	41	251876	95.084	ug/l	91
15) Acrylonitrile	5.258	53	196885	480.072	ug/l	97
16) Acetone	4.028	43	185559	484.311	ug/l #	83
17) Carbon Disulfide	4.275	76	595139	91.333	ug/l	99
18) Methyl Acetate	4.564	43	143145	96.265	ug/l	90
19) Methyl tert-butyl Ether	5.328	73	403869	98.832	ug/l	99
20) Methylene Chloride	4.805	84	209165	98.213	ug/l	89
21) trans-1,2-Dichloroethene	5.322	96	211169	96.797	ug/l	92
22) Diisopropyl ether	6.222	45	549014	99.178	ug/l	95
23) Vinyl Acetate	6.163	43	1369688	506.676	ug/l #	91
24) 1,1-Dichloroethane	6.122	63	353268	94.236	ug/l	96
25) 2-Butanone	7.087	43	246208	488.718	ug/l #	87
26) 2,2-Dichloropropane	7.081	77	300053	95.332	ug/l	95
27) cis-1,2-Dichloroethene	7.087	96	232433	99.016	ug/l	89
28) Bromochloromethane	7.434	49	152107	100.414	ug/l #	78
29) Tetrahydrofuran	7.446	42	145188	482.890	ug/l	87
30) Chloroform	7.599	83	357220	95.212	ug/l	97
31) Cyclohexane	7.881	56	298658	88.930	ug/l	91
32) 1,1,1-Trichloroethane	7.799	97	315638	95.432	ug/l	99
36) 1,1-Dichloropropene	8.010	75	281518	92.346	ug/l	96
37) Ethyl Acetate	7.169	43	105916	89.104	ug/l #	91
38) Carbon Tetrachloride	7.999	117	289129	95.134	ug/l	95
39) Methylcyclohexane	9.275	83	344745	95.392	ug/l	93
40) Benzene	8.257	78	824833	95.331	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.405	41	54793	90.693	ug/l #	91
42) 1,2-Dichloroethane	8.328	62	212934	94.941	ug/l	94
43) Isopropyl Acetate	8.363	43	205727	97.361	ug/l #	89
44) Trichloroethene	9.034	130	212693	94.330	ug/l	93
45) 1,2-Dichloropropane	9.304	63	205107	97.514	ug/l	99
46) Dibromomethane	9.399	93	109278	98.191	ug/l	94
47) Bromodichloromethane	9.587	83	272336	96.544	ug/l	98
48) Methyl methacrylate	9.387	41	120175	100.050	ug/l #	78
49) 1,4-Dioxane	9.387	88	21061	1905.825	ug/l #	87
51) 4-Methyl-2-Pentanone	10.163	43	528659	490.221	ug/l	90
52) Toluene	10.334	92	528656	98.500	ug/l	98
53) t-1,3-Dichloropropene	10.557	75	272751	100.689	ug/l	98
54) cis-1,3-Dichloropropene	10.016	75	324462	99.069	ug/l #	88
55) 1,1,2-Trichloroethane	10.734	97	146062	95.949	ug/l	96
56) Ethyl methacrylate	10.598	69	134581	100.289	ug/l #	85
57) 1,3-Dichloropropane	10.881	76	258657	98.573	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.869	63	413526	540.361	ug/l	94
59) 2-Hexanone	10.922	43	383851	429.029	ug/l	90
60) Dibromochloromethane	11.075	129	183182	99.946	ug/l	96
61) 1,2-Dibromoethane	11.181	107	140045	97.730	ug/l	100
64) Tetrachloroethene	10.810	164	178506	97.262	ug/l	94
65) Chlorobenzene	11.610	112	557007	96.349	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.681	131	205990	99.202	ug/l	96
67) Ethyl Benzene	11.687	91	1040706	100.107	ug/l	98
68) m/p-Xylenes	11.793	106	813491	204.574	ug/l	92
69) o-Xylene	12.122	106	377131	102.906	ug/l	92
70) Styrene	12.140	104	565212	103.719	ug/l	94
71) Bromoform	12.298	173	108441	99.949	ug/l #	98
73) Isopropylbenzene	12.422	105	988886	97.171	ug/l	97
74) N-amyl acetate	12.234	43	198741	99.348	ug/l	89
75) 1,1,2,2-Tetrachloroethane	12.675	83	166459	93.809	ug/l	99
76) 1,2,3-Trichloropropane	12.728	75	103109m	88.416	ug/l	
77) Bromobenzene	12.704	156	227803	95.167	ug/l	91
78) n-propylbenzene	12.763	91	1196891	96.518	ug/l	96
79) 2-Chlorotoluene	12.851	91	637388	95.910	ug/l	95
80) 1,3,5-Trimethylbenzene	12.904	105	835496	98.435	ug/l	95
81) trans-1,4-Dichloro-2-b...	12.469	75	55475	96.380	ug/l	93
82) 4-Chlorotoluene	12.951	91	663856	95.553	ug/l	97
83) tert-Butylbenzene	13.169	119	714976	99.778	ug/l	96
84) 1,2,4-Trimethylbenzene	13.216	105	852527	100.422	ug/l	96
85) sec-Butylbenzene	13.345	105	1036344	97.842	ug/l	96
86) p-Isopropyltoluene	13.463	119	952486	100.439	ug/l	97
87) 1,3-Dichlorobenzene	13.463	146	482541	98.576	ug/l	99
88) 1,4-Dichlorobenzene	13.540	146	464756	96.616	ug/l	99
89) n-Butylbenzene	13.787	91	872362	97.762	ug/l	99
90) Hexachloroethane	14.057	117	171956	98.597	ug/l	100
91) 1,2-Dichlorobenzene	13.834	146	399339	95.922	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.451	75	24495	96.201	ug/l	98
93) 1,2,4-Trichlorobenzene	15.098	180	270273	95.043	ug/l	97
94) Hexachlorobutadiene	15.204	225	149590	97.552	ug/l	99
95) Naphthalene	15.334	128	488159	103.318	ug/l	99
96) 1,2,3-Trichlorobenzene	15.522	180	235375	100.400	ug/l	100

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

