

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD103023\
 Data File : VD077441.D
 Acq On : 30 Oct 2023 11:35
 Operator : JC/SY
 Sample : VSTDICC100
 Misc : 5.00G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC100

Quant Time: Oct 31 03:56:45 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D103023S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 31 03:41:55 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 10/31/2023
 Supervised By : Mahesh Dadoda 10/31/2023

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	320275	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.781	114	581076	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	513308	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	235047	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	467575	103.244	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 206.480%#			
35) Dibromofluoromethane	7.805	113	404485	100.714	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 201.420%#			
50) Toluene-d8	10.269	98	1568991	100.577	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 201.160%#			
62) 4-Bromofluorobenzene	12.575	95	526179	100.146	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 200.300%#			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.934	85	268271	103.881	ug/l	99
3) Chloromethane	2.146	50	458132	111.739	ug/l	99
4) Vinyl Chloride	2.287	62	463214	115.858	ug/l	100
5) Bromomethane	2.687	94	241930	115.477	ug/l	98
6) Chloroethane	2.834	64	302134	112.242	ug/l	99
7) Trichlorofluoromethane	3.175	101	616336	110.080	ug/l	97
8) Diethyl Ether	3.593	74	218664	108.647	ug/l #	52
9) 1,1,2-Trichlorotrifluo...	3.969	101	366808	108.521	ug/l	96
10) Methyl Iodide	4.164	142	466991	105.658	ug/l	91
11) Tert butyl alcohol	5.058	59	172690	481.373	ug/l	97
12) 1,1-Dichloroethene	3.940	96	358035	111.887	ug/l #	64
13) Acrolein	3.793	56	238856	504.898	ug/l	99
14) Allyl chloride	4.558	41	875824	113.455	ug/l #	82
15) Acrylonitrile	5.252	53	571171	524.986	ug/l	97
16) Acetone	4.022	43	625336	521.815	ug/l #	77
17) Carbon Disulfide	4.269	76	1080427	104.993	ug/l	99
18) Methyl Acetate	4.564	43	482345	110.344	ug/l #	76
19) Methyl tert-butyl Ether	5.316	73	1061127	105.643	ug/l #	91
20) Methylene Chloride	4.799	84	465220	105.970	ug/l #	67
21) trans-1,2-Dichloroethene	5.316	96	417032	111.902	ug/l #	73
22) Diisopropyl ether	6.216	45	1776468	108.276	ug/l #	90
23) Vinyl Acetate	6.152	43	3804927m	533.185	ug/l	
24) 1,1-Dichloroethane	6.111	63	914382	107.407	ug/l	93
25) 2-Butanone	7.081	43	823643	515.272	ug/l #	73
26) 2,2-Dichloropropane	7.075	77	780391	103.438	ug/l	90
27) cis-1,2-Dichloroethene	7.081	96	502307	108.793	ug/l	71
28) Bromochloromethane	7.428	49	426412	107.936	ug/l #	55
29) Tetrahydrofuran	7.446	42	508003	535.852	ug/l #	69
30) Chloroform	7.593	83	841912	105.916	ug/l	96
31) Cyclohexane	7.875	56	777058	109.759	ug/l #	75
32) 1,1,1-Trichloroethane	7.793	97	708745	108.219	ug/l	96
36) 1,1-Dichloropropene	8.010	75	648871	108.969	ug/l	93
37) Ethyl Acetate	7.169	43	359765	105.278	ug/l #	87
38) Carbon Tetrachloride	7.993	117	598382	106.641	ug/l	98
39) Methylcyclohexane	9.275	83	756749	111.382	ug/l #	78
40) Benzene	8.252	78	1822010	107.305	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.399	41	218692	100.016	ug/l #	73
42) 1,2-Dichloroethane	8.328	62	552934	102.815	ug/l	90
43) Isopropyl Acetate	8.357	43	733387	103.997	ug/l #	80
44) Trichloroethene	9.028	130	443131	106.541	ug/l	84
45) 1,2-Dichloropropane	9.305	63	527539	105.531	ug/l	100
46) Dibromomethane	9.393	93	246105	102.301	ug/l	90
47) Bromodichloromethane	9.587	83	656875	103.305	ug/l	97
48) Methyl methacrylate	9.381	41	355903	105.728	ug/l #	64
49) 1,4-Dioxane	9.381	88	52743	2040.347	ug/l #	61
51) 4-Methyl-2-Pentanone	10.157	43	1794681	517.036	ug/l #	81
52) Toluene	10.334	92	1093895	105.678	ug/l	98
53) t-1,3-Dichloropropene	10.552	75	702715	104.368	ug/l	99
54) cis-1,3-Dichloropropene	10.016	75	813913	105.046	ug/l #	75
55) 1,1,2-Trichloroethane	10.734	97	329162	102.555	ug/l	93
56) Ethyl methacrylate	10.599	69	497624	104.277	ug/l #	60
57) 1,3-Dichloropropane	10.881	76	620163	103.375	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.869	63	1310640	548.598	ug/l #	85
59) 2-Hexanone	10.922	43	1303519	509.776	ug/l	78
60) Dibromochloromethane	11.075	129	396746	102.799	ug/l	96
61) 1,2-Dibromoethane	11.181	107	314112	103.343	ug/l	100
64) Tetrachloroethene	10.810	164	346286	105.961	ug/l	91
65) Chlorobenzene	11.610	112	1124517	104.569	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.681	131	417248	102.675	ug/l	97
67) Ethyl Benzene	11.687	91	2190473	105.864	ug/l	93
68) m/p-Xylenes	11.793	106	1582284	211.767	ug/l	80
69) o-Xylene	12.122	106	754527	105.426	ug/l	80
70) Styrene	12.134	104	1286979	104.237	ug/l #	90
71) Bromoform	12.298	173	226565	100.564	ug/l #	99
73) Isopropylbenzene	12.422	105	2003571	104.551	ug/l	95
74) N-amyl acetate	12.234	43	702739	103.529	ug/l #	79
75) 1,1,2,2-Tetrachloroethane	12.675	83	383070	101.975	ug/l	99
76) 1,2,3-Trichloropropane	12.722	75	288910m	91.987	ug/l	
77) Bromobenzene	12.698	156	436099	103.386	ug/l	70
78) n-propylbenzene	12.763	91	2549119	104.761	ug/l	92
79) 2-Chlorotoluene	12.851	91	1426584	103.546	ug/l	88
80) 1,3,5-Trimethylbenzene	12.904	105	1660975	103.295	ug/l	91
81) trans-1,4-Dichloro-2-b...	12.469	75	150243	101.447	ug/l #	84
82) 4-Chlorotoluene	12.945	91	1490448	103.857	ug/l	87
83) tert-Butylbenzene	13.169	119	1410701	104.347	ug/l	89
84) 1,2,4-Trimethylbenzene	13.210	105	1647304	103.129	ug/l	92
85) sec-Butylbenzene	13.345	105	2156699	104.262	ug/l	94
86) p-Isopropyltoluene	13.463	119	1755928	104.435	ug/l	93
87) 1,3-Dichlorobenzene	13.457	146	854077	103.006	ug/l	95
88) 1,4-Dichlorobenzene	13.540	146	836049	100.922	ug/l	96
89) n-Butylbenzene	13.787	91	1828712	104.644	ug/l	97
90) Hexachloroethane	14.057	117	357613	103.938	ug/l	94
91) 1,2-Dichlorobenzene	13.834	146	740563	101.631	ug/l	95
92) 1,2-Dibromo-3-Chloropr...	14.451	75	63083	99.682	ug/l	81
93) 1,2,4-Trichlorobenzene	15.098	180	523861	104.649	ug/l	97
94) Hexachlorobutadiene	15.204	225	282724	104.704	ug/l	99
95) Naphthalene	15.334	128	992159	103.896	ug/l	99
96) 1,2,3-Trichlorobenzene	15.522	180	446571	103.349	ug/l	99

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

