

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD103023\
 Data File : VD077439.D
 Acq On : 30 Oct 2023 10:41
 Operator : JC/SY
 Sample : VSTDICC020
 Misc : 5.00G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC020

Manual Integrations
 APPROVED

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

Quant Time: Oct 31 03:54:58 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

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	361122	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.775	114	630564	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	553507	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	254156	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	94356	18.478	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	36.960%	#	
35) Dibromofluoromethane	7.804	113	83191	19.088	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	38.180%	#	
50) Toluene-d8	10.269	98	327020	19.318	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	38.640%	#	
62) 4-Bromofluorobenzene	12.575	95	108691	19.063	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	38.120%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.934	85	54769	18.809	ug/l	98
3) Chloromethane	2.152	50	80554	17.425	ug/l	95
4) Vinyl Chloride	2.287	62	80031	17.753	ug/l	98
5) Bromomethane	2.687	94	39371	16.667	ug/l	98
6) Chloroethane	2.840	64	51196	16.868	ug/l	96
7) Trichlorofluoromethane	3.175	101	116850	18.509	ug/l	99
8) Diethyl Ether	3.599	74	40120	17.679	ug/l #	47
9) 1,1,2-Trichlorotrifluo...	3.963	101	72504	19.024	ug/l	95
10) Methyl Iodide	4.164	142	68502	16.484	ug/l #	90
11) Tert butyl alcohol	5.052	59	37675	93.140	ug/l #	88
12) 1,1-Dichloroethene	3.940	96	64180	17.788	ug/l #	70
13) Acrolein	3.799	56	54045	101.319	ug/l	99
14) Allyl chloride	4.558	41	155338	17.846	ug/l #	83
15) Acrylonitrile	5.258	53	112372	91.603	ug/l	98
16) Acetone	4.022	43	121855	90.181	ug/l #	77
17) Carbon Disulfide	4.269	76	135769	15.039	ug/l	97
18) Methyl Acetate	4.558	43	82642	16.767	ug/l #	78
19) Methyl tert-butyl Ether	5.316	73	203461	17.965	ug/l	93
20) Methylene Chloride	4.805	84	98814	17.900	ug/l #	66
21) trans-1,2-Dichloroethene	5.311	96	72662	17.292	ug/l #	75
22) Diisopropyl ether	6.216	45	338497	18.298	ug/l #	88
23) Vinyl Acetate	6.157	43	714611m	88.812	ug/l	
24) 1,1-Dichloroethane	6.116	63	176606	18.398	ug/l	94
25) 2-Butanone	7.081	43	163158	90.526	ug/l #	70
26) 2,2-Dichloropropane	7.075	77	156120	18.353	ug/l	89
27) cis-1,2-Dichloroethene	7.081	96	92235	17.717	ug/l	64
28) Bromochloromethane	7.422	49	63894	16.170	ug/l #	56
29) Tetrahydrofuran	7.446	42	94072	88.005	ug/l #	70
30) Chloroform	7.599	83	166010	18.523	ug/l	94
31) Cyclohexane	7.875	56	135661	16.995	ug/l #	79
32) 1,1,1-Trichloroethane	7.793	97	135449	18.342	ug/l	95
36) 1,1-Dichloropropene	8.004	75	117291	18.152	ug/l	91
37) Ethyl Acetate	7.175	43	69052	18.621	ug/l #	86
38) Carbon Tetrachloride	7.993	117	111518	18.314	ug/l	99
39) Methylcyclohexane	9.269	83	130095	17.645	ug/l #	79
40) Benzene	8.252	78	334576	18.158	ug/l	99

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41) Methacrylonitrile	7.399	41	45757	19.284	ug/l #	69
42) 1,2-Dichloroethane	8.328	62	106573	18.261	ug/l	94
43) Isopropyl Acetate	8.363	43	140333	18.338	ug/l #	81
44) Trichloroethene	9.028	130	82142	18.199	ug/l	77
45) 1,2-Dichloropropane	9.304	63	100680	18.560	ug/l	100
46) Dibromomethane	9.399	93	47817	18.317	ug/l	88
47) Bromodichloromethane	9.587	83	129531	18.772	ug/l	99
48) Methyl methacrylate	9.381	41	62906	17.221	ug/l #	64
49) 1,4-Dioxane	9.387	88	10438	372.101	ug/l #	60
51) 4-Methyl-2-Pentanone	10.157	43	343594	91.219	ug/l #	83
52) Toluene	10.334	92	205291	18.276	ug/l	99
53) t-1,3-Dichloropropene	10.557	75	135771	18.582	ug/l	98
54) cis-1,3-Dichloropropene	10.016	75	156653	18.631	ug/l #	73
55) 1,1,2-Trichloroethane	10.734	97	65161	18.709	ug/l	97
56) Ethyl methacrylate	10.598	69	95322	18.407	ug/l #	61
57) 1,3-Dichloropropane	10.881	76	120397	18.494	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.869	63	223181	86.086	ug/l #	85
59) 2-Hexanone	10.922	43	262566	94.625	ug/l	78
60) Dibromochloromethane	11.075	129	77507	18.506	ug/l	94
61) 1,2-Dibromoethane	11.181	107	59699	18.100	ug/l	99
64) Tetrachloroethene	10.810	164	65358	18.547	ug/l	87
65) Chlorobenzene	11.610	112	219488	18.928	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.681	131	83237	18.995	ug/l	96
67) Ethyl Benzene	11.687	91	420931	18.866	ug/l	95
68) m/p-Xylenes	11.793	106	303750	37.700	ug/l	80
69) o-Xylene	12.122	106	147946	19.170	ug/l	80
70) Styrene	12.140	104	252072	18.933	ug/l #	90
71) Bromoform	12.298	173	45652	18.792	ug/l #	98
73) Isopropylbenzene	12.422	105	395573	19.090	ug/l	95
74) N-amyl acetate	12.234	43	137214	18.695	ug/l #	80
75) 1,1,2,2-Tetrachloroethane	12.675	83	76317	18.789	ug/l	98
76) 1,2,3-Trichloropropane	12.728	75	58666m	17.274	ug/l	
77) Bromobenzene	12.704	156	86883	19.049	ug/l	72
78) n-propylbenzene	12.763	91	499754	18.994	ug/l	94
79) 2-Chlorotoluene	12.851	91	282275	18.948	ug/l	88
80) 1,3,5-Trimethylbenzene	12.904	105	331826	19.085	ug/l	92
81) trans-1,4-Dichloro-2-b...	12.469	75	29099	18.171	ug/l #	85
82) 4-Chlorotoluene	12.945	91	291658	18.795	ug/l	88
83) tert-Butylbenzene	13.169	119	278877	19.077	ug/l	87
84) 1,2,4-Trimethylbenzene	13.210	105	326093	18.880	ug/l	94
85) sec-Butylbenzene	13.345	105	426919	19.087	ug/l	95
86) p-Isopropyltoluene	13.463	119	344265	18.936	ug/l	93
87) 1,3-Dichlorobenzene	13.457	146	173890	19.395	ug/l	96
88) 1,4-Dichlorobenzene	13.539	146	172615	19.270	ug/l	96
89) n-Butylbenzene	13.787	91	363416	19.232	ug/l	97
90) Hexachloroethane	14.057	117	71491	19.216	ug/l	91
91) 1,2-Dichlorobenzene	13.834	146	150385	19.086	ug/l	94
92) 1,2-Dibromo-3-Chloropr...	14.445	75	12641	18.473	ug/l	79
93) 1,2,4-Trichlorobenzene	15.098	180	102866	19.004	ug/l	98
94) Hexachlorobutadiene	15.204	225	57041	19.536	ug/l	98
95) Naphthalene	15.334	128	190482	18.447	ug/l	98
96) 1,2,3-Trichlorobenzene	15.522	180	86323	18.475	ug/l	97

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

