

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051523\
 Data File : VD076114.D
 Acq On : 15 May 2023 13:50
 Operator : KP/SY
 Sample : VSTDICC100
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 05/29/2023
 Supervised By :Mahesh Dadoda 05/29/2023

Quant Time: May 16 10:05:12 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D051523S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 16 09:59:58 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	269020	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	413267	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	370069	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	190165	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	230204	88.540	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 177.080%#			
35) Dibromofluoromethane	7.805	113	271811	95.153	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 190.300%#			
50) Toluene-d8	10.269	98	1063922	95.542	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 191.080%#			
62) 4-Bromofluorobenzene	12.575	95	312695	101.087	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 202.180%#			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.928	85	223382	92.069	ug/l	97
3) Chloromethane	2.146	50	387621	101.885	ug/l	99
4) Vinyl Chloride	2.281	62	476391	91.043	ug/l	99
5) Bromomethane	2.675	94	327262	92.897	ug/l	96
6) Chloroethane	2.828	64	320349	90.999	ug/l	98
7) Trichlorofluoromethane	3.170	101	402938	90.851	ug/l	100
8) Diethyl Ether	3.587	74	142536	97.726	ug/l	75
9) 1,1,2-Trichlorotrifluo...	3.964	101	265845	90.998	ug/l	94
10) Methyl Iodide	4.158	142	330142	108.686	ug/l #	89
11) Tert butyl alcohol	5.052	59	63230	459.735	ug/l #	100
12) 1,1-Dichloroethene	3.934	96	278668	95.843	ug/l	89
13) Acrolein	3.793	56	163280	485.074	ug/l	97
14) Allyl chloride	4.558	41	294904	99.939	ug/l #	79
15) Acrylonitrile	5.252	53	297687	492.937	ug/l	97
16) Acetone	4.022	43	237702	459.501	ug/l #	80
17) Carbon Disulfide	4.264	76	775723	101.446	ug/l	98
18) Methyl Acetate	4.564	43	177580	96.233	ug/l #	79
19) Methyl tert-butyl Ether	5.316	73	588768	103.458	ug/l	99
20) Methylene Chloride	4.799	84	351054	98.523	ug/l #	79
21) trans-1,2-Dichloroethene	5.311	96	319408	95.317	ug/l #	80
22) Diisopropyl ether	6.216	45	711078	103.817	ug/l #	90
23) Vinyl Acetate	6.152	43	1458520m	538.842	ug/l	
24) 1,1-Dichloroethane	6.105	63	501540	92.848	ug/l	97
25) 2-Butanone	7.081	43	325582	500.555	ug/l #	76
26) 2,2-Dichloropropane	7.075	77	420831	95.544	ug/l	91
27) cis-1,2-Dichloroethene	7.075	96	368612	99.127	ug/l	84
28) Bromochloromethane	7.422	49	164826	91.512	ug/l #	64
29) Tetrahydrofuran	7.440	42	196692	518.816	ug/l #	68
30) Chloroform	7.593	83	529486	91.661	ug/l	93
31) Cyclohexane	7.875	56	388968	97.682	ug/l	85
32) 1,1,1-Trichloroethane	7.793	97	430758	93.572	ug/l	96
36) 1,1-Dichloropropene	8.005	75	393317	101.949	ug/l	95
37) Ethyl Acetate	7.169	43	141967	106.268	ug/l #	84
38) Carbon Tetrachloride	7.987	117	347795	99.805	ug/l	93
39) Methylcyclohexane	9.269	83	483036	108.750	ug/l	95
40) Benzene	8.252	78	1215296	97.981	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.399	41	68573	93.612	ug/l #	67
42) 1,2-Dichloroethane	8.322	62	278639	94.977	ug/l	91
43) Isopropyl Acetate	8.358	43	260224	104.275	ug/l #	84
44) Trichloroethene	9.028	130	339725	97.188	ug/l	90
45) 1,2-Dichloropropane	9.305	63	298243	97.483	ug/l	94
46) Dibromomethane	9.393	93	161883	94.398	ug/l	90
47) Bromodichloromethane	9.581	83	398126	96.598	ug/l	96
48) Methyl methacrylate	9.381	41	122084	110.533	ug/l #	61
49) 1,4-Dioxane	9.387	88	38200	2083.070	ug/l #	78
51) 4-Methyl-2-Pentanone	10.157	43	700899	528.080	ug/l #	81
52) Toluene	10.334	92	773060	99.792	ug/l	96
53) t-1,3-Dichloropropene	10.552	75	380052	102.313	ug/l	97
54) cis-1,3-Dichloropropene	10.016	75	466521	102.911	ug/l #	78
55) 1,1,2-Trichloroethane	10.734	97	230219	93.615	ug/l	95
56) Ethyl methacrylate	10.599	69	272034	110.053	ug/l #	70
57) 1,3-Dichloropropane	10.881	76	378492	98.101	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.869	63	636746	536.884	ug/l	92
59) 2-Hexanone	10.922	43	499567	533.714	ug/l	75
60) Dibromochloromethane	11.075	129	267190	96.628	ug/l	98
61) 1,2-Dibromoethane	11.181	107	210581	96.261	ug/l	98
64) Tetrachloroethene	10.810	164	278176	97.752	ug/l	94
65) Chlorobenzene	11.604	112	817439	97.026	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.681	131	285031	98.310	ug/l	95
67) Ethyl Benzene	11.681	91	1472727	109.397	ug/l	97
68) m/p-Xylenes	11.793	106	1181491	214.736	ug/l	93
69) o-Xylene	12.122	106	552212	109.993	ug/l	94
70) Styrene	12.134	104	955952	109.826	ug/l	95
71) Bromoform	12.299	173	155706	95.477	ug/l #	98
73) Isopropylbenzene	12.422	105	1404981	111.687	ug/l	98
74) N-amyl acetate	12.234	43	248348	110.836	ug/l #	79
75) 1,1,2,2-Tetrachloroethane	12.675	83	262402	97.054	ug/l	95
76) 1,2,3-Trichloropropane	12.728	75	148204m	92.251	ug/l	
77) Bromobenzene	12.698	156	337066	99.969	ug/l	93
78) n-propylbenzene	12.763	91	1728945	110.418	ug/l	98
79) 2-Chlorotoluene	12.851	91	925648	106.813	ug/l	94
80) 1,3,5-Trimethylbenzene	12.904	105	1161525	111.381	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.469	75	83709	105.527	ug/l #	73
82) 4-Chlorotoluene	12.946	91	984711	106.827	ug/l	96
83) tert-Butylbenzene	13.169	119	990752	112.416	ug/l	95
84) 1,2,4-Trimethylbenzene	13.210	105	1153497	111.068	ug/l	95
85) sec-Butylbenzene	13.345	105	1524592	110.999	ug/l	98
86) p-Isopropyltoluene	13.463	119	1251027	111.314	ug/l	96
87) 1,3-Dichlorobenzene	13.457	146	682987	100.186	ug/l	98
88) 1,4-Dichlorobenzene	13.540	146	674344	99.900	ug/l	97
89) n-Butylbenzene	13.787	91	1202159	113.506	ug/l	98
90) Hexachloroethane	14.057	117	228789	98.968	ug/l	93
91) 1,2-Dichlorobenzene	13.834	146	598316	100.010	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.445	75	34248	97.558	ug/l	82
93) 1,2,4-Trichlorobenzene	15.098	180	376155	108.093	ug/l	96
94) Hexachlorobutadiene	15.204	225	184584	104.032	ug/l	97
95) Naphthalene	15.334	128	734370	113.575	ug/l	99
96) 1,2,3-Trichlorobenzene	15.522	180	335428	105.985	ug/l	98

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

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