

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD041323\
 Data File : VD075656.D
 Acq On : 13 Apr 2023 12:18
 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 04/14/2023
 Supervised By :Mahesh Dadoda 04/14/2023

Quant Time: Apr 13 14:08:35 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D041323S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 13 14:07:05 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	219383	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	379943	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	362916	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	200124	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	200321	96.199	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 192.400%#			
35) Dibromofluoromethane	7.805	113	246131	96.314	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 192.620%#			
50) Toluene-d8	10.269	98	1003058	98.015	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 196.040%#			
62) 4-Bromofluorobenzene	12.575	95	285932	105.119	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 210.240%#			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.928	85	194749	95.538	ug/l	97
3) Chloromethane	2.146	50	334363	90.841	ug/l	99
4) Vinyl Chloride	2.281	62	445577	91.227	ug/l	100
5) Bromomethane	2.676	94	358124	93.908	ug/l	97
6) Chloroethane	2.828	64	305078	92.771	ug/l	95
7) Trichlorofluoromethane	3.170	101	349121	92.251	ug/l	99
8) Diethyl Ether	3.587	74	121119	102.829	ug/l	64
9) 1,1,2-Trichlorotrifluo...	3.958	101	223380	94.127	ug/l	95
10) Methyl Iodide	4.158	142	347691	107.051	ug/l	90
11) Tert butyl alcohol	5.046	59	50622	484.386	ug/l #	100
12) 1,1-Dichloroethene	3.934	96	238778	97.174	ug/l	86
13) Acrolein	3.793	56	105584	500.868	ug/l	97
14) Allyl chloride	4.552	41	221255	98.869	ug/l #	80
15) Acrylonitrile	5.252	53	219585	499.129	ug/l	97
16) Acetone	4.017	43	191542	502.090	ug/l #	81
17) Carbon Disulfide	4.270	76	753780	93.741	ug/l	98
18) Methyl Acetate	4.558	43	126795	98.561	ug/l #	69
19) Methyl tert-butyl Ether	5.317	73	504481	105.789	ug/l	94
20) Methylene Chloride	4.799	84	286432	101.849	ug/l #	72
21) trans-1,2-Dichloroethene	5.311	96	287334	98.183	ug/l #	73
22) Diisopropyl ether	6.211	45	514258	101.696	ug/l #	88
23) Vinyl Acetate	6.152	43	1299972	553.466	ug/l #	82
24) 1,1-Dichloroethane	6.111	63	403440	96.282	ug/l	96
25) 2-Butanone	7.081	43	248985	506.904	ug/l #	64
26) 2,2-Dichloropropane	7.075	77	353652	93.095	ug/l	90
27) cis-1,2-Dichloroethene	7.081	96	328000	101.177	ug/l	79
28) Bromochloromethane	7.422	49	125096	94.445	ug/l #	39
29) Tetrahydrofuran	7.440	42	143568	534.485	ug/l #	53
30) Chloroform	7.593	83	460634	96.971	ug/l	96
31) Cyclohexane	7.875	56	303185	92.782	ug/l #	78
32) 1,1,1-Trichloroethane	7.793	97	372621	96.201	ug/l	95
36) 1,1-Dichloropropene	8.011	75	331760	94.102	ug/l	92
37) Ethyl Acetate	7.169	43	103246	96.231	ug/l #	79
38) Carbon Tetrachloride	7.993	117	302144	97.322	ug/l	98
39) Methylcyclohexane	9.275	83	430742	105.659	ug/l #	88
40) Benzene	8.246	78	1067894	97.438	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.405	41	56082	108.926	ug/l #	64
42) 1,2-Dichloroethane	8.322	62	237824	95.535	ug/l	90
43) Isopropyl Acetate	8.363	43	195777	100.068	ug/l #	79
44) Trichloroethene	9.028	130	300643	96.927	ug/l	92
45) 1,2-Dichloropropane	9.305	63	234545	95.498	ug/l	93
46) Dibromomethane	9.393	93	153323	98.404	ug/l	95
47) Bromodichloromethane	9.587	83	349534	98.071	ug/l	95
48) Methyl methacrylate	9.381	41	87165	100.001	ug/l #	53
49) 1,4-Dioxane	9.381	88	32012	2070.825	ug/l #	73
51) 4-Methyl-2-Pentanone	10.157	43	515762	494.437	ug/l #	76
52) Toluene	10.334	92	702326	96.371	ug/l	97
53) t-1,3-Dichloropropene	10.552	75	336475	98.484	ug/l	99
54) cis-1,3-Dichloropropene	10.016	75	406007	100.017	ug/l #	75
55) 1,1,2-Trichloroethane	10.734	97	212687	94.277	ug/l	92
56) Ethyl methacrylate	10.599	69	230799	103.956	ug/l #	65
57) 1,3-Dichloropropane	10.881	76	328402	95.886	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.869	63	516309	541.496	ug/l #	84
59) 2-Hexanone	10.922	43	379136	516.926	ug/l	71
60) Dibromochloromethane	11.075	129	257300	97.468	ug/l	99
61) 1,2-Dibromoethane	11.181	107	204933	95.227	ug/l	97
64) Tetrachloroethene	10.810	164	246443	94.290	ug/l	97
65) Chlorobenzene	11.610	112	769663	99.014	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.681	131	265455	99.336	ug/l	94
67) Ethyl Benzene	11.687	91	1298946	102.965	ug/l	95
68) m/p-Xylenes	11.793	106	1080222	208.937	ug/l	89
69) o-Xylene	12.122	106	514161	109.982	ug/l	89
70) Styrene	12.140	104	876939	101.653	ug/l #	93
71) Bromoform	12.299	173	149974	107.360	ug/l #	98
73) Isopropylbenzene	12.422	105	1243670	94.690	ug/l	97
74) N-amyl acetate	12.234	43	183592	95.125	ug/l #	73
75) 1,1,2,2-Tetrachloroethane	12.675	83	224522	88.000	ug/l	97
76) 1,2,3-Trichloropropane	12.728	75	154211m	109.827	ug/l	
77) Bromobenzene	12.704	156	318243	93.987	ug/l	85
78) n-propylbenzene	12.763	91	1468022	91.185	ug/l	95
79) 2-Chlorotoluene	12.851	91	904003	99.001	ug/l	91
80) 1,3,5-Trimethylbenzene	12.904	105	1114739	101.809	ug/l	94
81) trans-1,4-Dichloro-2-b...	12.469	75	69382	92.144	ug/l #	71
82) 4-Chlorotoluene	12.951	91	908381	95.672	ug/l	92
83) tert-Butylbenzene	13.169	119	933371	101.099	ug/l	94
84) 1,2,4-Trimethylbenzene	13.216	105	1092684	99.453	ug/l	94
85) sec-Butylbenzene	13.346	105	1385697	97.292	ug/l	96
86) p-Isopropyltoluene	13.463	119	1210324	102.077	ug/l	94
87) 1,3-Dichlorobenzene	13.463	146	693524	98.453	ug/l	97
88) 1,4-Dichlorobenzene	13.540	146	667392	95.901	ug/l	96
89) n-Butylbenzene	13.787	91	1087389	99.560	ug/l	97
90) Hexachloroethane	14.057	117	217604	92.369	ug/l	85
91) 1,2-Dichlorobenzene	13.834	146	611491	101.337	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.445	75	30355	88.750	ug/l	72
93) 1,2,4-Trichlorobenzene	15.104	180	326997	93.146	ug/l	97
94) Hexachlorobutadiene	15.210	225	146850	87.519	ug/l	96
95) Naphthalene	15.334	128	655892	98.619	ug/l	99
96) 1,2,3-Trichlorobenzene	15.522	180	285958	92.546	ug/l	98

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

