

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD022123\
 Data File : VD075377.D
 Acq On : 21 Feb 2023 12:33
 Operator : KP/SY
 Sample : VSTDICCC050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 02/22/2023
 Supervised By :Mahesh Dadoda 02/22/2023

Quant Time: Feb 21 14:39:01 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D022123S.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 21 14:22:29 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	61868	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	99281	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.587	117	90586	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	43978	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	25869	48.338	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	96.680%		
35) Dibromofluoromethane	7.811	113	27184	45.642	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	91.280%		
50) Toluene-d8	10.269	98	93865	43.870	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	87.740%		
62) 4-Bromofluorobenzene	12.575	95	32403	44.777	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	89.560%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.934	85	31192	44.779	ug/l	98
3) Chloromethane	2.146	50	45844	46.055	ug/l	98
4) Vinyl Chloride	2.281	62	52074	48.205	ug/l	99
5) Bromomethane	2.687	94	28585	47.396	ug/l	94
6) Chloroethane	2.840	64	34607	46.429	ug/l	97
7) Trichlorofluoromethane	3.175	101	61128	48.173	ug/l	95
8) Diethyl Ether	3.593	74	14725	49.045	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.975	101	34597	47.806	ug/l	98
10) Methyl Iodide	4.170	142	36789	47.214	ug/l	98
11) Tert butyl alcohol	5.058	59	8600	234.624	ug/l #	100
12) 1,1-Dichloroethene	3.940	96	33285	49.423	ug/l	91
13) Acrolein	3.805	56	2616	234.109	ug/l	98
14) Allyl chloride	4.558	41	53253	49.977	ug/l	95
15) Acrylonitrile	5.258	53	35417	249.275	ug/l	99
16) Acetone	4.023	43	41798	258.024	ug/l	99
17) Carbon Disulfide	4.275	76	114716	48.324	ug/l	96
18) Methyl Acetate	4.564	43	23104	46.757	ug/l	100
19) Methyl tert-butyl Ether	5.317	73	69199	50.160	ug/l	96
20) Methylene Chloride	4.799	84	39783	51.772	ug/l	91
21) trans-1,2-Dichloroethene	5.317	96	36937	48.005	ug/l	96
22) Diisopropyl ether	6.222	45	102329	50.534	ug/l	98
23) Vinyl Acetate	6.158	43	181796	275.653	ug/l	98
24) 1,1-Dichloroethane	6.117	63	65149	48.605	ug/l	97
25) 2-Butanone	7.081	43	48967	246.844	ug/l	98
26) 2,2-Dichloropropane	7.075	77	56669	48.317	ug/l	99
27) cis-1,2-Dichloroethene	7.075	96	39568	50.203	ug/l	99
28) Bromochloromethane	7.422	49	13784	51.810	ug/l	99
29) Tetrahydrofuran	7.446	42	28862	257.017	ug/l	97
30) Chloroform	7.599	83	65256	48.661	ug/l	97
31) Cyclohexane	7.875	56	59590	46.783	ug/l	96
32) 1,1,1-Trichloroethane	7.793	97	61259	49.175	ug/l	98
36) 1,1-Dichloropropene	8.011	75	53064	50.095	ug/l	98
37) Ethyl Acetate	7.169	43	20917	49.545	ug/l #	97
38) Carbon Tetrachloride	7.993	117	53617	49.452	ug/l	98
39) Methylcyclohexane	9.275	83	64503	51.795	ug/l	95
40) Benzene	8.252	78	143677	49.446	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.399	41	11214	40.613	ug/l #	90
42) 1,2-Dichloroethane	8.328	62	40141	49.141	ug/l	99
43) Isopropyl Acetate	8.363	43	38274	48.948	ug/l	98
44) Trichloroethene	9.028	130	38114	48.813	ug/l	96
45) 1,2-Dichloropropane	9.310	63	35564	50.244	ug/l	93
46) Dibromomethane	9.393	93	19016	49.177	ug/l	97
47) Bromodichloromethane	9.587	83	48904	49.678	ug/l	90
48) Methyl methacrylate	9.387	41	19860	50.188	ug/l	96
49) 1,4-Dioxane	9.387	88	3367	968.359	ug/l	91
51) 4-Methyl-2-Pentanone	10.157	43	100115	251.665	ug/l	98
52) Toluene	10.340	92	90683	50.872	ug/l	97
53) t-1,3-Dichloropropene	10.557	75	41848	51.544	ug/l	99
54) cis-1,3-Dichloropropene	10.016	75	49757	50.290	ug/l	94
55) 1,1,2-Trichloroethane	10.734	97	24719	49.359	ug/l	93
56) Ethyl methacrylate	10.599	69	29228	52.704	ug/l	98
57) 1,3-Dichloropropane	10.881	76	42616	49.227	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.875	63	29764	219.885	ug/l	96
59) 2-Hexanone	10.922	43	73582	261.946	ug/l	100
60) Dibromochloromethane	11.075	129	31328	49.723	ug/l	99
61) 1,2-Dibromoethane	11.181	107	23620	50.630	ug/l	100
64) Tetrachloroethene	10.816	164	31657	48.275	ug/l	95
65) Chlorobenzene	11.610	112	92900	48.967	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.687	131	34006	49.501	ug/l	96
67) Ethyl Benzene	11.687	91	175851	50.430	ug/l	99
68) m/p-Xylenes	11.799	106	136215	101.049	ug/l	99
69) o-Xylene	12.122	106	62716	51.044	ug/l	100
70) Styrene	12.140	104	105356	51.028	ug/l	99
71) Bromoform	12.304	173	17812	50.554	ug/l #	99
73) Isopropylbenzene	12.422	105	170564	51.650	ug/l	100
74) N-amyl acetate	12.240	43	36761	51.334	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.675	83	27569	49.444	ug/l	96
76) 1,2,3-Trichloropropane	12.728	75	18918m	48.373	ug/l	
77) Bromobenzene	12.704	156	36418	49.050	ug/l	99
78) n-propylbenzene	12.769	91	212728	51.181	ug/l	100
79) 2-Chlorotoluene	12.851	91	111705	49.922	ug/l	97
80) 1,3,5-Trimethylbenzene	12.910	105	141080	51.069	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.469	75	6108	45.391	ug/l	90
82) 4-Chlorotoluene	12.951	91	119080	50.629	ug/l	100
83) tert-Butylbenzene	13.169	119	120670	50.390	ug/l	98
84) 1,2,4-Trimethylbenzene	13.216	105	140090	51.401	ug/l	99
85) sec-Butylbenzene	13.346	105	188467	51.756	ug/l	100
86) p-Isopropyltoluene	13.463	119	156161	52.119	ug/l	99
87) 1,3-Dichlorobenzene	13.463	146	75617	48.445	ug/l	99
88) 1,4-Dichlorobenzene	13.546	146	73989	49.251	ug/l	99
89) n-Butylbenzene	13.793	91	151433	52.224	ug/l	100
90) Hexachloroethane	14.057	117	29386	49.352	ug/l	98
91) 1,2-Dichlorobenzene	13.834	146	64485	50.404	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.445	75	4236	51.165	ug/l	97
93) 1,2,4-Trichlorobenzene	15.104	180	39194	49.581	ug/l	97
94) Hexachlorobutadiene	15.210	225	23049	52.113	ug/l	96
95) Naphthalene	15.340	128	71205	50.866	ug/l	99
96) 1,2,3-Trichlorobenzene	15.528	180	33697	49.837	ug/l	99

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

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