

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD071423\
 Data File : VD076738.D
 Acq On : 14 Jul 2023 13:21
 Operator : KP/SY
 Sample : VSTDICCC050
 Misc : 5.00G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 07/17/2023
 Supervised By : Mahesh Dadoda 07/17/2023

Quant Time: Jul 17 07:42:26 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D071423S.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 17 07:40:58 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	178749	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	329060	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	325327	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	153873	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	83721	47.024	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	94.040%		
35) Dibromofluoromethane	7.805	113	95800	46.329	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	92.660%		
50) Toluene-d8	10.269	98	346366	46.822	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	93.640%		
62) 4-Bromofluorobenzene	12.575	95	115426	48.233	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	96.460%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.928	85	70159	50.193	ug/l	100
3) Chloromethane	2.146	50	122593	50.842	ug/l	100
4) Vinyl Chloride	2.275	62	161972	50.392	ug/l	97
5) Bromomethane	2.681	94	126033	47.657	ug/l	97
6) Chloroethane	2.828	64	122811	50.606	ug/l	98
7) Trichlorofluoromethane	3.164	101	138594	48.458	ug/l	99
8) Diethyl Ether	3.587	74	53972	54.810	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.958	101	92887	49.407	ug/l	98
10) Methyl Iodide	4.158	142	114000	53.792	ug/l	92
11) Tert butyl alcohol	5.046	59	33661	253.366	ug/l	95
12) 1,1-Dichloroethene	3.934	96	88279	49.979	ug/l	95
13) Acrolein	3.793	56	20612	227.666	ug/l	99
14) Allyl chloride	4.558	41	120752	52.041	ug/l	92
15) Acrylonitrile	5.246	53	126927	262.440	ug/l	98
16) Acetone	4.017	43	110347	259.520	ug/l	88
17) Carbon Disulfide	4.264	76	215395	52.211	ug/l	100
18) Methyl Acetate	4.564	43	83150	52.050	ug/l	94
19) Methyl tert-butyl Ether	5.311	73	251018	52.994	ug/l	98
20) Methylene Chloride	4.799	84	131298	52.340	ug/l	89
21) trans-1,2-Dichloroethene	5.299	96	107458	52.338	ug/l	98
22) Diisopropyl ether	6.216	45	290581	52.885	ug/l	96
23) Vinyl Acetate	6.152	43	727262	267.513	ug/l	95
24) 1,1-Dichloroethane	6.105	63	192373	51.928	ug/l	98
25) 2-Butanone	7.081	43	152248	267.542	ug/l	88
26) 2,2-Dichloropropane	7.075	77	160237	50.177	ug/l	96
27) cis-1,2-Dichloroethene	7.075	96	130584	51.593	ug/l	95
28) Bromochloromethane	7.428	49	43937	47.438	ug/l	85
29) Tetrahydrofuran	7.440	42	86652	257.722	ug/l	94
30) Chloroform	7.593	83	202534	49.915	ug/l	99
31) Cyclohexane	7.875	56	121483	46.364	ug/l	90
32) 1,1,1-Trichloroethane	7.793	97	167216	51.078	ug/l	97
36) 1,1-Dichloropropene	8.005	75	135353	50.092	ug/l	96
37) Ethyl Acetate	7.163	43	65726	54.391	ug/l	98
38) Carbon Tetrachloride	7.993	117	129311	49.979	ug/l	94
39) Methylcyclohexane	9.275	83	157345	50.431	ug/l	95
40) Benzene	8.246	78	425999	49.966	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.399	41	36882	49.981	ug/l #	92
42) 1,2-Dichloroethane	8.328	62	113879	51.407	ug/l	98
43) Isopropyl Acetate	8.357	43	122722	52.038	ug/l	93
44) Trichloroethene	9.028	130	117790	50.700	ug/l	92
45) 1,2-Dichloropropane	9.304	63	118425	53.810	ug/l	94
46) Dibromomethane	9.393	93	69311	53.804	ug/l	90
47) Bromodichloromethane	9.581	83	170406	52.712	ug/l	98
48) Methyl methacrylate	9.381	41	58039	54.072	ug/l	83
49) 1,4-Dioxane	9.381	88	16572	1004.070	ug/l #	88
51) 4-Methyl-2-Pentanone	10.157	43	340901	271.494	ug/l	94
52) Toluene	10.334	92	290844	51.940	ug/l	97
53) t-1,3-Dichloropropene	10.551	75	161620	53.863	ug/l	100
54) cis-1,3-Dichloropropene	10.016	75	187531	53.030	ug/l #	91
55) 1,1,2-Trichloroethane	10.734	97	99917	53.115	ug/l	95
56) Ethyl methacrylate	10.599	69	119962	55.252	ug/l #	91
57) 1,3-Dichloropropane	10.881	76	159327	52.008	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.869	63	212213	252.507	ug/l	99
59) 2-Hexanone	10.922	43	244032	272.370	ug/l	92
60) Dibromochloromethane	11.075	129	116566	53.341	ug/l	96
61) 1,2-Dibromoethane	11.181	107	94598	54.241	ug/l	99
64) Tetrachloroethene	10.810	164	90749	48.919	ug/l #	88
65) Chlorobenzene	11.604	112	325029	49.676	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.681	131	120109	49.306	ug/l	97
67) Ethyl Benzene	11.681	91	572548	49.827	ug/l	94
68) m/p-Xylenes	11.793	106	440372	99.786	ug/l	91
69) o-Xylene	12.122	106	215142	50.413	ug/l	92
70) Styrene	12.134	104	378667	50.687	ug/l	97
71) Bromoform	12.298	173	68612	51.427	ug/l #	100
73) Isopropylbenzene	12.422	105	555530	49.762	ug/l	96
74) N-amyl acetate	12.234	43	116996	49.746	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.669	83	121134	50.537	ug/l	99
76) 1,2,3-Trichloropropane	12.722	75	75066m	49.093	ug/l	
77) Bromobenzene	12.698	156	130227	50.537	ug/l	87
78) n-propylbenzene	12.763	91	673260	49.745	ug/l	96
79) 2-Chlorotoluene	12.851	91	372233	50.160	ug/l	95
80) 1,3,5-Trimethylbenzene	12.904	105	455283	50.436	ug/l	95
81) trans-1,4-Dichloro-2-b...	12.469	75	36131	52.549	ug/l	97
82) 4-Chlorotoluene	12.945	91	392430	50.620	ug/l	95
83) tert-Butylbenzene	13.169	119	403558	50.774	ug/l	98
84) 1,2,4-Trimethylbenzene	13.210	105	468615	50.800	ug/l	95
85) sec-Butylbenzene	13.345	105	605537	49.865	ug/l	95
86) p-Isopropyltoluene	13.457	119	506039	50.459	ug/l	97
87) 1,3-Dichlorobenzene	13.457	146	267421	50.455	ug/l	98
88) 1,4-Dichlorobenzene	13.540	146	258046	49.693	ug/l	97
89) n-Butylbenzene	13.787	91	487385	49.664	ug/l	98
90) Hexachloroethane	14.051	117	94268	50.843	ug/l	84
91) 1,2-Dichlorobenzene	13.828	146	235080	50.335	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.445	75	16255	47.562	ug/l	94
93) 1,2,4-Trichlorobenzene	15.098	180	142208	49.875	ug/l	97
94) Hexachlorobutadiene	15.204	225	67512	49.232	ug/l	97
95) Naphthalene	15.328	128	316788	51.313	ug/l	99
96) 1,2,3-Trichlorobenzene	15.522	180	127234	49.726	ug/l	99

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

