

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD022123\
 Data File : VD075375.D
 Acq On : 21 Feb 2023 11:38
 Operator : KP/SY
 Sample : VSTDICC010
 Misc : 5.00G/5.00ml/MSVOA_D/soil
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC010

Manual Integrations
 APPROVED

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

Quant Time: Feb 21 14:27:34 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	7.881	168	57853	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	97673	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.587	117	87548	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	42360	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.222	65	6298	9.907	ug/l	-0.01
Spiked Amount 50.000	Range 50 - 163		Recovery =	19.820%#		
35) Dibromofluoromethane	7.810	113	6371	10.873	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	21.740%#		
50) Toluene-d8	10.269	98	23519	11.173	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	22.340%#		
62) 4-Bromofluorobenzene	12.575	95	7336	10.304	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	20.600%#		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.928	85	6986	10.725	ug/l	100
3) Chloromethane	2.146	50	10550	11.334	ug/l	94
4) Vinyl Chloride	2.281	62	10401	10.296	ug/l	90
5) Bromomethane	2.693	94	5822	10.323	ug/l	96
6) Chloroethane	2.840	64	7722	11.079	ug/l #	83
7) Trichlorofluoromethane	3.175	101	12434	10.479	ug/l	87
8) Diethyl Ether	3.593	74	3002	10.693	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.958	101	6956	10.279	ug/l	99
10) Methyl Iodide	4.169	142	4431	10.935	ug/l #	43
11) Tert butyl alcohol	5.046	59	2614m	49.965	ug/l	
12) 1,1-Dichloroethene	3.940	96	6480	10.290	ug/l #	89
13) Acrolein	3.793	56	1017	56.746	ug/l	96
14) Allyl chloride	4.558	41	10044	10.080	ug/l	96
15) Acrylonitrile	5.258	53	7053	53.086	ug/l	96
16) Acetone	4.017	43	7456	49.221	ug/l	100
17) Carbon Disulfide	4.275	76	23612	10.637	ug/l	95
18) Methyl Acetate	4.564	43	4774	10.332	ug/l	96
19) Methyl tert-butyl Ether	5.316	73	12385	9.600	ug/l #	90
20) Methylene Chloride	4.805	84	10528	9.362	ug/l	97
21) trans-1,2-Dichloroethene	5.311	96	6999	9.728	ug/l	90
22) Diisopropyl ether	6.216	45	19333	10.210	ug/l	96
23) Vinyl Acetate	6.158	43	30127	40.805	ug/l	98
24) 1,1-Dichloroethane	6.116	63	13108	10.458	ug/l #	94
25) 2-Butanone	7.087	43	9528	51.364	ug/l	96
26) 2,2-Dichloropropane	7.081	77	11327	10.328	ug/l	98
27) cis-1,2-Dichloroethene	7.081	96	7376	10.008	ug/l	94
28) Bromochloromethane	7.428	49	3268	9.579	ug/l #	96
29) Tetrahydrofuran	7.452	42	5169	49.225	ug/l #	91
30) Chloroform	7.593	83	13661	10.894	ug/l	93
31) Cyclohexane	7.881	56	11803	9.909	ug/l #	82
32) 1,1,1-Trichloroethane	7.799	97	11856	10.178	ug/l	96
36) 1,1-Dichloropropene	8.005	75	10206	9.794	ug/l	97
37) Ethyl Acetate	7.169	43	4167	10.033	ug/l #	85
38) Carbon Tetrachloride	7.993	117	10565	9.905	ug/l	96
39) Methylcyclohexane	9.275	83	11394	9.300	ug/l	95
40) Benzene	8.257	78	28685	10.034	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.410	41	2380	8.761	ug/l #	91
42) 1,2-Dichloroethane	8.334	62	7811	9.720	ug/l	98
43) Isopropyl Acetate	8.363	43	7484	9.729	ug/l	97
44) Trichloroethene	9.028	130	7804	10.159	ug/l	97
45) 1,2-Dichloropropane	9.304	63	6990	10.038	ug/l #	88
46) Dibromomethane	9.399	93	3817	10.034	ug/l	96
47) Bromodichloromethane	9.587	83	9781	10.099	ug/l #	95
48) Methyl methacrylate	9.381	41	3812	9.792	ug/l	98
49) 1,4-Dioxane	9.387	88	523	195.717	ug/l #	70
51) 4-Methyl-2-Pentanone	10.157	43	18810	48.062	ug/l	95
52) Toluene	10.334	92	16455	9.383	ug/l	90
53) t-1,3-Dichloropropene	10.557	75	7323	9.168	ug/l	93
54) cis-1,3-Dichloropropene	10.016	75	9248	9.501	ug/l	95
55) 1,1,2-Trichloroethane	10.740	97	4986	10.120	ug/l #	87
56) Ethyl methacrylate	10.599	69	5317	9.745	ug/l	99
57) 1,3-Dichloropropane	10.881	76	8497	9.977	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.869	63	5238	57.656	ug/l	99
59) 2-Hexanone	10.922	43	13189	47.725	ug/l	94
60) Dibromochloromethane	11.081	129	6308	10.177	ug/l	99
61) 1,2-Dibromoethane	11.181	107	4712	10.267	ug/l	97
64) Tetrachloroethene	10.810	164	6716	10.597	ug/l	96
65) Chlorobenzene	11.610	112	19537	10.655	ug/l	94
66) 1,1,1,2-Tetrachloroethane	11.681	131	6691	10.078	ug/l	97
67) Ethyl Benzene	11.687	91	32444	9.627	ug/l	100
68) m/p-Xylenes	11.798	106	25651	19.689	ug/l	99
69) o-Xylene	12.128	106	11542	9.720	ug/l	96
70) Styrene	12.140	104	19111	9.577	ug/l	98
71) Bromoform	12.304	173	3392	9.961	ug/l #	95
73) Isopropylbenzene	12.422	105	31140	9.790	ug/l	98
74) N-amyl acetate	12.240	43	6604	9.574	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.675	83	5713	10.637	ug/l	96
76) 1,2,3-Trichloropropane	12.728	75	3751m	9.958	ug/l	
77) Bromobenzene	12.704	156	7953	11.121	ug/l	89
78) n-propylbenzene	12.769	91	40151	10.029	ug/l	97
79) 2-Chlorotoluene	12.857	91	21618	10.030	ug/l	97
80) 1,3,5-Trimethylbenzene	12.904	105	26079	9.801	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.475	75	969	11.613	ug/l	97
82) 4-Chlorotoluene	12.951	91	22330	9.857	ug/l	98
83) tert-Butylbenzene	13.169	119	22251	9.647	ug/l	99
84) 1,2,4-Trimethylbenzene	13.216	105	25546	9.731	ug/l	96
85) sec-Butylbenzene	13.351	105	34431	9.816	ug/l	100
86) p-Isopropyltoluene	13.469	119	26849	9.303	ug/l	99
87) 1,3-Dichlorobenzene	13.463	146	16268	10.820	ug/l	97
88) 1,4-Dichlorobenzene	13.540	146	15568	10.759	ug/l	99
89) n-Butylbenzene	13.792	91	27106	9.705	ug/l	94
90) Hexachloroethane	14.051	117	5808	10.127	ug/l	98
91) 1,2-Dichlorobenzene	13.834	146	12544	10.179	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.445	75	673	9.757	ug/l	80
93) 1,2,4-Trichlorobenzene	15.098	180	8027	10.542	ug/l	93
94) Hexachlorobutadiene	15.210	225	4050	9.507	ug/l	93
95) Naphthalene	15.334	128	12687	9.409	ug/l	97
96) 1,2,3-Trichlorobenzene	15.528	180	6474	9.941	ug/l	98

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

