

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD091823\
 Data File : VD077123.D
 Acq On : 18 Sep 2023 11:40
 Operator : JC/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 : Semsettin Yesilyurt 09/19/2023
 Supervised By : Mahesh Dadoda 09/19/2023

Quant Time: Sep 19 03:49:40 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D091823S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 19 03:32:44 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	238884	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	394312	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	376966	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	195913	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	115974	48.105	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	96.220%		
35) Dibromofluoromethane	7.804	113	141603	51.701	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	103.400%		
50) Toluene-d8	10.269	98	519566	53.296	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	106.600%		
62) 4-Bromofluorobenzene	12.575	95	157005	51.961	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	103.920%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.928	85	110412	44.725	ug/l	94
3) Chloromethane	2.146	50	193506	42.404	ug/l	96
4) Vinyl Chloride	2.281	62	222424	45.565	ug/l	97
5) Bromomethane	2.687	94	144032	40.512	ug/l	97
6) Chloroethane	2.834	64	127591	42.006	ug/l	99
7) Trichlorofluoromethane	3.175	101	188362	42.692	ug/l	95
8) Diethyl Ether	3.587	74	63238	44.408	ug/l	91
9) 1,1,2-Trichlorotrifluo...	3.957	101	133170	48.276	ug/l	96
10) Methyl Iodide	4.157	142	192950	48.938	ug/l	91
11) Tert butyl alcohol	5.046	59	30809	224.138	ug/l #	90
12) 1,1-Dichloroethene	3.940	96	130302	46.889	ug/l	94
13) Acrolein	3.793	56	20814	226.552	ug/l	96
14) Allyl chloride	4.557	41	166303	49.051	ug/l	94
15) Acrylonitrile	5.246	53	138744	232.352	ug/l	99
16) Acetone	4.022	43	139993	254.068	ug/l #	85
17) Carbon Disulfide	4.269	76	427115	46.689	ug/l	100
18) Methyl Acetate	4.557	43	96387	46.261	ug/l	93
19) Methyl tert-butyl Ether	5.310	73	285536	47.485	ug/l	96
20) Methylene Chloride	4.799	84	168941	47.042	ug/l	89
21) trans-1,2-Dichloroethene	5.304	96	159785	47.566	ug/l	98
22) Diisopropyl ether	6.216	45	371094	48.411	ug/l	97
23) Vinyl Acetate	6.152	43	730854	236.097	ug/l	93
24) 1,1-Dichloroethane	6.110	63	252906	45.968	ug/l	97
25) 2-Butanone	7.081	43	172857	238.455	ug/l	93
26) 2,2-Dichloropropane	7.075	77	218017	46.684	ug/l	97
27) cis-1,2-Dichloroethene	7.075	96	177455	46.992	ug/l	98
28) Bromochloromethane	7.428	49	80810	47.832	ug/l	86
29) Tetrahydrofuran	7.440	42	98827	233.209	ug/l	90
30) Chloroform	7.593	83	278435	46.958	ug/l	100
31) Cyclohexane	7.881	56	201172	47.697	ug/l	92
32) 1,1,1-Trichloroethane	7.793	97	235694	47.621	ug/l	97
36) 1,1-Dichloropropene	8.010	75	202588	49.115	ug/l	99
37) Ethyl Acetate	7.169	43	73213	46.264	ug/l	94
38) Carbon Tetrachloride	7.993	117	202438	49.935	ug/l	99
39) Methylcyclohexane	9.275	83	246487	51.937	ug/l	94
40) Benzene	8.251	78	620347	48.611	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.398	41	39430	46.681	ug/l #	91
42) 1,2-Dichloroethane	8.322	62	151786	47.973	ug/l	97
43) Isopropyl Acetate	8.357	43	137277	47.114	ug/l	93
44) Trichloroethene	9.028	130	167019	47.287	ug/l	98
45) 1,2-Dichloropropane	9.304	63	148492	47.906	ug/l	97
46) Dibromomethane	9.393	93	85712	47.586	ug/l	97
47) Bromodichloromethane	9.587	83	206780	47.506	ug/l	98
48) Methyl methacrylate	9.381	41	65146	49.140	ug/l	85
49) 1,4-Dioxane	9.381	88	15761	969.405	ug/l	89
51) 4-Methyl-2-Pentanone	10.157	43	358037	234.957	ug/l	92
52) Toluene	10.334	92	401631	49.195	ug/l	96
53) t-1,3-Dichloropropene	10.551	75	195982	48.195	ug/l	99
54) cis-1,3-Dichloropropene	10.016	75	236435	48.529	ug/l #	93
55) 1,1,2-Trichloroethane	10.734	97	116799	47.676	ug/l	96
56) Ethyl methacrylate	10.598	69	130996	49.771	ug/l	91
57) 1,3-Dichloropropane	10.881	76	191898	48.387	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.869	63	347875	255.164	ug/l	99
59) 2-Hexanone	10.922	43	260537	238.292	ug/l	92
60) Dibromochloromethane	11.075	129	145633	48.535	ug/l	98
61) 1,2-Dibromoethane	11.181	107	110434	46.629	ug/l	98
64) Tetrachloroethene	10.810	164	144428	49.243	ug/l	97
65) Chlorobenzene	11.610	112	422738	47.671	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.681	131	155393	47.897	ug/l	97
67) Ethyl Benzene	11.687	91	755816	49.586	ug/l	97
68) m/p-Xylenes	11.792	106	615794	100.900	ug/l	94
69) o-Xylene	12.122	106	279847	49.958	ug/l	93
70) Styrene	12.134	104	486745	51.003	ug/l	98
71) Bromoform	12.298	173	86100	47.877	ug/l #	97
73) Isopropylbenzene	12.422	105	720997	49.806	ug/l	97
74) N-amyl acetate	12.234	43	131448	48.340	ug/l	92
75) 1,1,2,2-Tetrachloroethane	12.675	83	124349	45.518	ug/l	100
76) 1,2,3-Trichloropropane	12.728	75	71308m	44.093	ug/l	
77) Bromobenzene	12.698	156	174208	48.330	ug/l	96
78) n-propylbenzene	12.763	91	883757	49.946	ug/l	97
79) 2-Chlorotoluene	12.851	91	478950	49.085	ug/l	97
80) 1,3,5-Trimethylbenzene	12.904	105	609358	50.403	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.469	75	38879	47.090	ug/l	97
82) 4-Chlorotoluene	12.945	91	515797	50.296	ug/l	95
83) tert-Butylbenzene	13.169	119	525276	50.855	ug/l	99
84) 1,2,4-Trimethylbenzene	13.216	105	612744	49.983	ug/l	96
85) sec-Butylbenzene	13.345	105	789523	50.940	ug/l	96
86) p-Isopropyltoluene	13.463	119	670463	50.991	ug/l	98
87) 1,3-Dichlorobenzene	13.457	146	360768	48.667	ug/l	98
88) 1,4-Dichlorobenzene	13.539	146	349386	47.904	ug/l	98
89) n-Butylbenzene	13.786	91	613239	50.558	ug/l	99
90) Hexachloroethane	14.051	117	124422	47.714	ug/l	97
91) 1,2-Dichlorobenzene	13.833	146	304531	47.914	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.451	75	17179	47.095	ug/l	95
93) 1,2,4-Trichlorobenzene	15.104	180	191330	48.794	ug/l	99
94) Hexachlorobutadiene	15.204	225	102034	49.104	ug/l	98
95) Naphthalene	15.333	128	348828	48.513	ug/l	98
96) 1,2,3-Trichlorobenzene	15.522	180	172478	49.486	ug/l	99

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

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