

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD091222\
 Data File : VD074251.D
 Acq On : 12 Sep 2022 11:56
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 09/13/2022
 Supervised By :Mahesh Dadoda 09/13/2022

Quant Time: Sep 13 04:37:54 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D090922S.M
 Quant Title : SW846 8260
 QLast Update : Sat Sep 10 04:45:19 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.869	168	123233	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.769	114	201806	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.569	117	178345	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.504	152	85777	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	62648	49.864	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	99.720%		
35) Dibromofluoromethane	7.799	113	65288	48.226	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	96.460%		
50) Toluene-d8	10.263	98	257050	51.962	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	103.920%		
62) 4-Bromofluorobenzene	12.557	95	81037	46.408	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	92.820%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.934	85	47446	49.338	ug/l	93
3) Chloromethane	2.140	50	42499	46.134	ug/l	97
4) Vinyl Chloride	2.275	62	41050	52.309	ug/l	94
5) Bromomethane	2.681	94	24487	59.253	ug/l	98
6) Chloroethane	2.822	64	24769	53.003	ug/l	93
7) Trichlorofluoromethane	3.164	101	104716	47.961	ug/l	98
8) Diethyl Ether	3.587	74	33471	47.515	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.958	101	67904	48.338	ug/l	98
10) Methyl Iodide	4.152	142	84230	50.312	ug/l	100
11) Tert butyl alcohol	5.052	59	22729	221.818	ug/l #	93
12) 1,1-Dichloroethene	3.934	96	66771	49.239	ug/l	95
13) Acrolein	3.793	56	24503	224.973	ug/l	96
14) Allyl chloride	4.552	41	103456	49.158	ug/l	99
15) Acrylonitrile	5.252	53	80438	244.916	ug/l	99
16) Acetone	4.022	43	72411	279.224	ug/l	98
17) Carbon Disulfide	4.264	76	185282	47.364	ug/l	99
18) Methyl Acetate	4.564	43	38468	44.337	ug/l	96
19) Methyl tert-butyl Ether	5.316	73	162190	49.374	ug/l	96
20) Methylene Chloride	4.793	84	81110	51.545	ug/l	90
21) trans-1,2-Dichloroethene	5.305	96	74814	48.905	ug/l	99
22) Diisopropyl ether	6.210	45	222788	49.884	ug/l	97
23) Vinyl Acetate	6.152	43	557529	264.363	ug/l	100
24) 1,1-Dichloroethane	6.110	63	138670	50.263	ug/l	98
25) 2-Butanone	7.081	43	106383	245.962	ug/l	97
26) 2,2-Dichloropropane	7.069	77	118044	48.974	ug/l	98
27) cis-1,2-Dichloroethene	7.075	96	86315	49.381	ug/l	97
28) Bromochloromethane	7.422	49	45781	54.032	ug/l	97
29) Tetrahydrofuran	7.440	42	64998	243.760	ug/l	99
30) Chloroform	7.593	83	137497	50.213	ug/l	88
31) Cyclohexane	7.869	56	118601	45.679	ug/l	98
32) 1,1,1-Trichloroethane	7.787	97	119277	49.644	ug/l	99
36) 1,1-Dichloropropene	8.005	75	106737	48.866	ug/l	99
37) Ethyl Acetate	7.169	43	45490	48.025	ug/l	99
38) Carbon Tetrachloride	7.981	117	100691	50.950	ug/l	99
39) Methylcyclohexane	9.269	83	128918	47.679	ug/l	98
40) Benzene	8.246	78	301705	49.910	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.393	41	24759	46.928	ug/l	89
42) 1,2-Dichloroethane	8.322	62	77662	48.614	ug/l	100
43) Isopropyl Acetate	8.357	43	88323	48.273	ug/l	100
44) Trichloroethene	9.022	130	81819	48.762	ug/l	94
45) 1,2-Dichloropropane	9.299	63	77246	49.168	ug/l	95
46) Dibromomethane	9.387	93	40716	49.916	ug/l	98
47) Bromodichloromethane	9.581	83	101569	49.493	ug/l	96
48) Methyl methacrylate	9.375	41	41251	47.736	ug/l	99
49) 1,4-Dioxane	9.381	88	9859	1020.659	ug/l	97
51) 4-Methyl-2-Pentanone	10.151	43	228228	246.802	ug/l	98
52) Toluene	10.328	92	192742	49.710	ug/l	99
53) t-1,3-Dichloropropene	10.546	75	97648	50.478	ug/l	98
54) cis-1,3-Dichloropropene	10.010	75	119713	50.228	ug/l	97
55) 1,1,2-Trichloroethane	10.728	97	55551	49.266	ug/l	98
56) Ethyl methacrylate	10.587	69	77181	51.516	ug/l	100
57) 1,3-Dichloropropane	10.875	76	96905	48.696	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.863	63	57134	204.650	ug/l	97
59) 2-Hexanone	10.910	43	158967	253.149	ug/l	99
60) Dibromochloromethane	11.069	129	69630	50.709	ug/l	99
61) 1,2-Dibromoethane	11.169	107	52824	49.220	ug/l	98
64) Tetrachloroethene	10.804	164	65866	48.303	ug/l	92
65) Chlorobenzene	11.598	112	204194	50.929	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.669	131	73447	51.149	ug/l	99
67) Ethyl Benzene	11.675	91	377108	50.353	ug/l	99
68) m/p-Xylenes	11.781	106	289283	101.773	ug/l	100
69) o-Xylene	12.110	106	137083	51.030	ug/l	100
70) Styrene	12.122	104	226819	50.625	ug/l	98
71) Bromoform	12.287	173	40525	50.692	ug/l #	98
73) Isopropylbenzene	12.410	105	363965	50.151	ug/l	100
74) N-amyl acetate	12.222	43	85321	49.923	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.657	83	65024	49.207	ug/l	100
76) 1,2,3-Trichloropropane	12.710	75	42956m	48.850	ug/l	
77) Bromobenzene	12.687	156	80953	50.831	ug/l	96
78) n-propylbenzene	12.751	91	448551	50.403	ug/l	100
79) 2-Chlorotoluene	12.834	91	238841	49.615	ug/l	98
80) 1,3,5-Trimethylbenzene	12.887	105	296159	49.255	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.457	75	18712	52.466	ug/l #	100
82) 4-Chlorotoluene	12.934	91	243995	49.785	ug/l	99
83) tert-Butylbenzene	13.151	119	259845	49.374	ug/l	99
84) 1,2,4-Trimethylbenzene	13.198	105	292195	50.058	ug/l	98
85) sec-Butylbenzene	13.328	105	398663	50.007	ug/l	100
86) p-Isopropyltoluene	13.445	119	330282	50.722	ug/l	99
87) 1,3-Dichlorobenzene	13.445	146	161327	49.669	ug/l	97
88) 1,4-Dichlorobenzene	13.522	146	158062	49.486	ug/l	99
89) n-Butylbenzene	13.769	91	319354	50.189	ug/l	99
90) Hexachloroethane	14.039	117	61119	51.310	ug/l	98
91) 1,2-Dichlorobenzene	13.816	146	138953	49.191	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.428	75	8949	48.194	ug/l	96
93) 1,2,4-Trichlorobenzene	15.081	180	94436	48.365	ug/l	98
94) Hexachlorobutadiene	15.181	225	54236	48.608	ug/l	99
95) Naphthalene	15.310	128	181255	49.680	ug/l	98
96) 1,2,3-Trichlorobenzene	15.498	180	82368	49.139	ug/l	99

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

