

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD101822\
 Data File : VD074570.D
 Acq On : 18 Oct 2022 17:30
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 10/19/2022
 Supervised By :Mahesh Dadoda 10/19/2022

Quant Time: Oct 19 02:49:33 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D101122S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 12 13:14:00 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	76253	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	115476	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.580	117	101954	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	48713	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	36209	55.167	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 110.340%			
35) Dibromofluoromethane	7.804	113	42582	61.872	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 123.740%			
50) Toluene-d8	10.269	98	152429	57.396	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 114.800%			
62) 4-Bromofluorobenzene	12.569	95	44630	55.576	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 111.160%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.928	85	35596	48.284	ug/l	95
3) Chloromethane	2.146	50	45005	49.050	ug/l	97
4) Vinyl Chloride	2.281	62	51768	54.542	ug/l	99
5) Bromomethane	2.687	94	35042	52.039	ug/l	96
6) Chloroethane	2.834	64	35725	56.413	ug/l	97
7) Trichlorofluoromethane	3.169	101	69893	48.118	ug/l	98
8) Diethyl Ether	3.587	74	21742	49.864	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.969	101	46197	47.319	ug/l	99
10) Methyl Iodide	4.163	142	56271	43.428	ug/l	98
11) Tert butyl alcohol	5.057	59	16819	194.918	ug/l #	95
12) 1,1-Dichloroethene	3.940	96	47898	48.166	ug/l	88
13) Acrolein	3.804	56	6287	187.442	ug/l	95
14) Allyl chloride	4.557	41	49898	46.093	ug/l	98
15) Acrylonitrile	5.257	53	45319	261.100	ug/l	99
16) Acetone	4.016	43	35461	250.465	ug/l	99
17) Carbon Disulfide	4.269	76	128003	43.536	ug/l	97
18) Methyl Acetate	4.557	43	20715	45.980	ug/l	99
19) Methyl tert-butyl Ether	5.310	73	95351	50.388	ug/l	99
20) Methylene Chloride	4.798	84	60997	52.116	ug/l	94
21) trans-1,2-Dichloroethene	5.310	96	52962	49.447	ug/l	89
22) Diisopropyl ether	6.216	45	109859	50.756	ug/l	97
23) Vinyl Acetate	6.151	43	233913	248.928	ug/l	98
24) 1,1-Dichloroethane	6.104	63	79678	47.555	ug/l	99
25) 2-Butanone	7.081	43	47900	245.087	ug/l	92
26) 2,2-Dichloropropane	7.075	77	74795	50.713	ug/l	100
27) cis-1,2-Dichloroethene	7.081	96	58564	51.335	ug/l	99
28) Bromochloromethane	7.428	49	23530	53.188	ug/l	98
29) Tetrahydrofuran	7.439	42	27862	258.508	ug/l	98
30) Chloroform	7.598	83	87793	54.081	ug/l	99
31) Cyclohexane	7.875	56	64097	45.898	ug/l	94
32) 1,1,1-Trichloroethane	7.792	97	78592	53.464	ug/l	97
36) 1,1-Dichloropropene	8.010	75	66130	59.671	ug/l	99
37) Ethyl Acetate	7.163	43	21592	59.361	ug/l	97
38) Carbon Tetrachloride	7.992	117	64353	62.803	ug/l	98
39) Methylcyclohexane	9.275	83	71155	51.297	ug/l	95
40) Benzene	8.251	78	195730	59.340	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.398	41	10064	48.222	ug/l #	78
42) 1,2-Dichloroethane	8.328	62	42347	54.332	ug/l	99
43) Isopropyl Acetate	8.357	43	37249	55.734	ug/l	99
44) Trichloroethene	9.028	130	51166	54.223	ug/l	97
45) 1,2-Dichloropropane	9.304	63	40024	53.261	ug/l	96
46) Dibromomethane	9.392	93	23812	56.395	ug/l	92
47) Bromodichloromethane	9.586	83	57846	55.421	ug/l	97
48) Methyl methacrylate	9.381	41	16578	51.259	ug/l	98
49) 1,4-Dioxane	9.386	88	5179	1180.661	ug/l #	93
51) 4-Methyl-2-Pentanone	10.157	43	92815	280.723	ug/l	99
52) Toluene	10.333	92	116963	56.107	ug/l	98
53) t-1,3-Dichloropropene	10.551	75	50054	55.004	ug/l	97
54) cis-1,3-Dichloropropene	10.016	75	64944	56.504	ug/l	98
55) 1,1,2-Trichloroethane	10.733	97	33275	58.788	ug/l	96
56) Ethyl methacrylate	10.598	69	36606	56.103	ug/l	96
57) 1,3-Dichloropropane	10.880	76	52786	55.761	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.869	63	37911	261.053	ug/l	99
59) 2-Hexanone	10.922	43	63842	288.452	ug/l	100
60) Dibromochloromethane	11.075	129	39692	58.301	ug/l	100
61) 1,2-Dibromoethane	11.180	107	29960	56.887	ug/l	96
64) Tetrachloroethene	10.810	164	42242	55.331	ug/l	93
65) Chlorobenzene	11.604	112	125789	57.478	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.680	131	43180	58.148	ug/l	96
67) Ethyl Benzene	11.680	91	223733	57.675	ug/l	97
68) m/p-Xylenes	11.792	106	176637	114.194	ug/l	99
69) o-Xylene	12.122	106	82716	57.472	ug/l	96
70) Styrene	12.133	104	143239	58.897	ug/l	99
71) Bromoform	12.298	173	23501	62.128	ug/l #	96
73) Isopropylbenzene	12.422	105	219408	55.989	ug/l	100
74) N-amyl acetate	12.233	43	32798	53.439	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.674	83	34771	56.093	ug/l	97
76) 1,2,3-Trichloropropane	12.722	75	21699m	52.123	ug/l	
77) Bromobenzene	12.698	156	50683	57.167	ug/l	97
78) n-propylbenzene	12.763	91	262816	55.435	ug/l	100
79) 2-Chlorotoluene	12.845	91	137653	54.095	ug/l	97
80) 1,3,5-Trimethylbenzene	12.904	105	182027	57.152	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.469	75	9645	58.768	ug/l	97
82) 4-Chlorotoluene	12.945	91	142049	55.617	ug/l	99
83) tert-Butylbenzene	13.163	119	160193	57.441	ug/l	99
84) 1,2,4-Trimethylbenzene	13.210	105	177247	56.179	ug/l	98
85) sec-Butylbenzene	13.345	105	237507	55.890	ug/l	98
86) p-Isopropyltoluene	13.457	119	198390	56.225	ug/l	99
87) 1,3-Dichlorobenzene	13.457	146	103048	56.732	ug/l	99
88) 1,4-Dichlorobenzene	13.533	146	98939	54.888	ug/l	99
89) n-Butylbenzene	13.786	91	181695	55.126	ug/l	99
90) Hexachloroethane	14.051	117	33292	53.441	ug/l	96
91) 1,2-Dichlorobenzene	13.827	146	88071	56.840	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.445	75	4935	58.234	ug/l	93
93) 1,2,4-Trichlorobenzene	15.098	180	57324	56.106	ug/l	99
94) Hexachlorobutadiene	15.198	225	30868	58.109	ug/l	99
95) Naphthalene	15.327	128	109312	56.653	ug/l	99
96) 1,2,3-Trichlorobenzene	15.515	180	49682	56.964	ug/l	97

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

