

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD072022\
 Data File : VD073887.D
 Acq On : 20 Jul 2022 19:07
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 07/21/2022
 Supervised By :Mahesh Dadoda 07/21/2022

Quant Time: Jul 21 01:11:58 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D071822S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 20 15:29:08 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.967	168	159102	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	264238	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	249540	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	126775	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.320	65	96415	50.748	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 101.500%			
35) Dibromofluoromethane	7.908	113	102339	54.899	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 109.800%			
50) Toluene-d8	10.332	98	364473	53.858	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 107.720%			
62) 4-Bromofluorobenzene	12.620	95	132862	57.102	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 114.200%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.991	85	95700	66.592	ug/l	96
3) Chloromethane	2.209	50	142675	61.672	ug/l	94
4) Vinyl Chloride	2.344	62	174460	47.578	ug/l	99
5) Bromomethane	2.756	94	74232	29.949	ug/l	96
6) Chloroethane	2.914	64	108198	43.776	ug/l	100
7) Trichlorofluoromethane	3.261	101	284195	86.670	ug/l	99
8) Diethyl Ether	3.708	74	45447	56.500	ug/l	77
9) 1,1,2-Trichlorotrifluo...	4.079	101	97114	53.375	ug/l	96
10) Methyl Iodide	4.291	142	98070	54.717	ug/l	99
11) Tert butyl alcohol	5.238	59	27256	267.833	ug/l #	94
12) 1,1-Dichloroethene	4.056	96	89664	55.457	ug/l	89
13) Acrolein	3.914	56	22146	251.120	ug/l	98
14) Allyl chloride	4.703	41	116383	49.316	ug/l #	92
15) Acrylonitrile	5.414	53	91047	277.336	ug/l	96
16) Acetone	4.156	43	65948	211.543	ug/l	93
17) Carbon Disulfide	4.397	76	265795	51.448	ug/l	100
18) Methyl Acetate	4.720	43	42118	57.652	ug/l #	88
19) Methyl tert-butyl Ether	5.479	73	213866	55.223	ug/l	97
20) Methylene Chloride	4.955	84	119362	56.906	ug/l #	83
21) trans-1,2-Dichloroethene	5.461	96	103606	54.205	ug/l	87
22) Diisopropyl ether	6.361	45	254852	50.746	ug/l #	93
23) Vinyl Acetate	6.297	43	751721m	274.226	ug/l	
24) 1,1-Dichloroethane	6.255	63	167900	50.616	ug/l	98
25) 2-Butanone	7.208	43	109723	247.973	ug/l #	85
26) 2,2-Dichloropropane	7.197	77	144156	48.938	ug/l	95
27) cis-1,2-Dichloroethene	7.202	96	110162	51.195	ug/l	89
28) Bromochloromethane	7.538	49	63904	51.347	ug/l #	69
29) Tetrahydrofuran	7.555	42	73828	275.164	ug/l #	87
30) Chloroform	7.702	83	188696	51.681	ug/l	98
31) Cyclohexane	7.979	56	144541	47.880	ug/l	87
32) 1,1,1-Trichloroethane	7.891	97	176971	52.098	ug/l	97
36) 1,1-Dichloropropene	8.102	75	141479	52.609	ug/l	96
37) Ethyl Acetate	7.291	43	53998	55.841	ug/l	98
38) Carbon Tetrachloride	8.085	117	151890	49.456	ug/l	99
39) Methylcyclohexane	9.349	83	168554	53.769	ug/l	92
40) Benzene	8.344	78	379678	51.892	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.514	41	31385	52.228	ug/l #	89
42) 1,2-Dichloroethane	8.414	62	115082	51.392	ug/l	97
43) Isopropyl Acetate	8.444	43	109267	56.543	ug/l #	93
44) Trichloroethene	9.102	130	111393	54.552	ug/l	92
45) 1,2-Dichloropropane	9.373	63	89818	50.788	ug/l	97
46) Dibromomethane	9.467	93	57931	54.004	ug/l	97
47) Bromodichloromethane	9.649	83	144441	52.006	ug/l	95
48) Methyl methacrylate	9.449	41	52091	54.980	ug/l #	84
49) 1,4-Dioxane	9.455	88	12410	1105.662	ug/l	92
51) 4-Methyl-2-Pentanone	10.220	43	273104	282.690	ug/l	92
52) Toluene	10.390	92	266327	54.085	ug/l	95
53) t-1,3-Dichloropropene	10.608	75	132722	54.130	ug/l	96
54) cis-1,3-Dichloropropene	10.079	75	151105	53.260	ug/l	90
55) 1,1,2-Trichloroethane	10.790	97	75066	55.013	ug/l	98
56) Ethyl methacrylate	10.649	69	92728	58.699	ug/l #	86
57) 1,3-Dichloropropane	10.932	76	126046	54.316	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.932	63	207506	245.652	ug/l	90
59) 2-Hexanone	10.973	43	186112	281.933	ug/l	93
60) Dibromochloromethane	11.126	129	103479	55.981	ug/l	100
61) 1,2-Dibromoethane	11.232	107	78313	56.725	ug/l	98
64) Tetrachloroethene	10.867	164	95881	57.611	ug/l	94
65) Chlorobenzene	11.655	112	282228	54.914	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.732	131	106297	54.423	ug/l	99
67) Ethyl Benzene	11.732	91	510840	53.834	ug/l	96
68) m/p-Xylenes	11.837	106	407360	109.831	ug/l	96
69) o-Xylene	12.167	106	195290	56.240	ug/l	93
70) Styrene	12.179	104	329139	55.443	ug/l	97
71) Bromoform	12.343	173	61016	57.733	ug/l #	98
73) Isopropylbenzene	12.467	105	519173	54.069	ug/l	99
74) N-amyl acetate	12.273	43	105092	55.486	ug/l	92
75) 1,1,2,2-Tetrachloroethane	12.720	83	86310	52.006	ug/l	98
76) 1,2,3-Trichloropropane	12.767	75	56896m	41.828	ug/l	
77) Bromobenzene	12.749	156	115118	53.946	ug/l	86
78) n-propylbenzene	12.808	91	620343	52.959	ug/l	96
79) 2-Chlorotoluene	12.890	91	345967	52.649	ug/l	95
80) 1,3,5-Trimethylbenzene	12.943	105	435775	53.840	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.514	75	26655	52.878	ug/l	86
82) 4-Chlorotoluene	12.990	91	359925	51.794	ug/l	95
83) tert-Butylbenzene	13.208	119	382236	55.234	ug/l	97
84) 1,2,4-Trimethylbenzene	13.255	105	435665	54.040	ug/l	99
85) sec-Butylbenzene	13.384	105	571632	54.779	ug/l	97
86) p-Isopropyltoluene	13.496	119	485916	55.300	ug/l	99
87) 1,3-Dichlorobenzene	13.496	146	239231	53.535	ug/l	99
88) 1,4-Dichlorobenzene	13.579	146	235762	53.373	ug/l	98
89) n-Butylbenzene	13.826	91	444906	53.329	ug/l	97
90) Hexachloroethane	14.090	117	83573	48.132	ug/l	99
91) 1,2-Dichlorobenzene	13.873	146	207002	53.615	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.479	75	15506	55.639	ug/l	83
93) 1,2,4-Trichlorobenzene	15.137	180	130557	55.390	ug/l	99
94) Hexachlorobutadiene	15.249	225	71021	56.856	ug/l	98
95) Naphthalene	15.378	128	266752	62.962	ug/l	98
96) 1,2,3-Trichlorobenzene	15.573	180	115566	57.668	ug/l	97

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

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