

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD052122\
 Data File : VD073271.D
 Acq On : 22 May 2022 12:51
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 50 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 05/24/2022
 Supervised By :Mahesh Dadoda 05/24/2022

Quant Time: May 23 01:16:21 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D051922S.M
 Quant Title : SW846 8260
 QLast Update : Thu May 19 15:13:42 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.973	168	187094	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	382852	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.637	117	425941	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	226237	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.320	65	169696	82.072	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 164.140%#			
35) Dibromofluoromethane	7.908	113	153613	60.805	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 121.620%			
50) Toluene-d8	10.332	98	504774	54.203	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 108.400%			
62) 4-Bromofluorobenzene	12.620	95	209242	64.024	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 128.040%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.991	85	46462	24.853	ug/l	94
3) Chloromethane	2.208	50	80589	38.122	ug/l	93
4) Vinyl Chloride	2.344	62	57078	29.528	ug/l	97
5) Bromomethane	2.750	94	63730	51.552	ug/l	98
6) Chloroethane	2.914	64	50305	42.333	ug/l	99
7) Trichlorofluoromethane	3.261	101	112714	32.976	ug/l	96
8) Diethyl Ether	3.702	74	77701	82.729	ug/l	90
9) 1,1,2-Trichlorotrifluo...	4.091	101	72214	35.409	ug/l	97
10) Methyl Iodide	4.291	142	93952	42.699	ug/l	99
11) Tert butyl alcohol	5.226	59	66792	208.207	ug/l	98
12) 1,1-Dichloroethene	4.067	96	70230	37.352	ug/l	88
13) Acrolein	3.914	56	47578	385.156	ug/l	99
14) Allyl chloride	4.702	41	155058	51.090	ug/l	91
15) Acrylonitrile	5.414	53	206810	481.531	ug/l	98
16) Acetone	4.150	43	156689	437.509	ug/l	90
17) Carbon Disulfide	4.402	76	224962	36.092	ug/l	99
18) Methyl Acetate	4.714	43	103391	103.819	ug/l #	90
19) Methyl tert-butyl Ether	5.473	73	378147	88.280	ug/l	96
20) Methylene Chloride	4.955	84	160294	72.348	ug/l	86
21) trans-1,2-Dichloroethene	5.467	96	115182	50.666	ug/l	90
22) Diisopropyl ether	6.361	45	493813	77.616	ug/l #	92
23) Vinyl Acetate	6.302	43	1415881	417.214	ug/l	95
24) 1,1-Dichloroethane	6.261	63	235723	57.721	ug/l	98
25) 2-Butanone	7.208	43	254714	486.122	ug/l	92
26) 2,2-Dichloropropane	7.202	77	118823	34.118	ug/l	92
27) cis-1,2-Dichloroethene	7.202	96	156277	62.125	ug/l	87
28) Bromochloromethane	7.543	49	112321	79.834	ug/l #	80
29) Tetrahydrofuran	7.555	42	169503	500.291	ug/l	92
30) Chloroform	7.702	83	278545	65.332	ug/l	95
31) Cyclohexane	7.979	56	107980	29.884	ug/l #	84
32) 1,1,1-Trichloroethane	7.896	97	178819	47.955	ug/l	95
36) 1,1-Dichloropropene	8.102	75	136350	35.886	ug/l	98
37) Ethyl Acetate	7.285	43	114197	76.091	ug/l #	95
38) Carbon Tetrachloride	8.090	117	137015	35.575	ug/l	97
39) Methylcyclohexane	9.349	83	111074	26.231	ug/l	97
40) Benzene	8.343	78	534042	48.770	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.508	41	60654	69.366	ug/l #	81
42) 1,2-Dichloroethane	8.414	62	201125	66.010	ug/l	97
43) Isopropyl Acetate	8.443	43	215245	77.593	ug/l #	96
44) Trichloroethene	9.102	130	128508	44.009	ug/l	96
45) 1,2-Dichloropropane	9.379	63	160404	58.166	ug/l	98
46) Dibromomethane	9.467	93	102863	67.915	ug/l	97
47) Bromodichloromethane	9.655	83	240505	62.060	ug/l	95
48) Methyl methacrylate	9.449	41	110864	79.436	ug/l	90
49) 1,4-Dioxane	9.455	88	27492	1757.676	ug/l #	92
51) 4-Methyl-2-Pentanone	10.220	43	612349	425.016	ug/l	93
52) Toluene	10.396	92	350785	50.694	ug/l	99
53) t-1,3-Dichloropropene	10.608	75	215434	61.534	ug/l	99
54) cis-1,3-Dichloropropene	10.079	75	241717	57.693	ug/l #	88
55) 1,1,2-Trichloroethane	10.790	97	144870	70.733	ug/l	96
56) Ethyl methacrylate	10.649	69	187256	82.232	ug/l #	83
57) 1,3-Dichloropropane	10.937	76	247378	71.984	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.932	63	400152	359.496	ug/l	96
59) 2-Hexanone	10.973	43	419839	441.993	ug/l	93
60) Dibromochloromethane	11.132	129	181801	71.187	ug/l	98
61) 1,2-Dibromoethane	11.237	107	141715	72.410	ug/l	99
64) Tetrachloroethene	10.867	164	103469	37.088	ug/l	94
65) Chlorobenzene	11.661	112	410049	46.927	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.731	131	174841	53.952	ug/l	98
67) Ethyl Benzene	11.737	91	650690	42.419	ug/l	99
68) m/p-Xylenes	11.843	106	518811	87.055	ug/l	99
69) o-Xylene	12.167	106	260575	47.596	ug/l	96
70) Styrene	12.184	104	496003	52.659	ug/l	96
71) Bromoform	12.349	173	111136	66.633	ug/l #	99
73) Isopropylbenzene	12.467	105	593983	36.829	ug/l	99
74) N-amyl acetate	12.278	43	193468	54.987	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.714	83	180522	60.689	ug/l	97
76) 1,2,3-Trichloropropane	12.767	75	125119m	56.366	ug/l	
77) Bromobenzene	12.749	156	181298	47.753	ug/l	96
78) n-propylbenzene	12.808	91	747435	36.914	ug/l	99
79) 2-Chlorotoluene	12.896	91	493571	42.219	ug/l	98
80) 1,3,5-Trimethylbenzene	12.949	105	558869	40.906	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.514	75	45354	49.050	ug/l	89
82) 4-Chlorotoluene	12.990	91	530320	43.278	ug/l	98
83) tert-Butylbenzene	13.208	119	422728	36.713	ug/l	97
84) 1,2,4-Trimethylbenzene	13.255	105	584619	43.315	ug/l	100
85) sec-Butylbenzene	13.384	105	608534	34.612	ug/l	99
86) p-Isopropyltoluene	13.502	119	508445	35.476	ug/l	99
87) 1,3-Dichlorobenzene	13.502	146	351553	45.939	ug/l	100
88) 1,4-Dichlorobenzene	13.578	146	355960	46.079	ug/l	99
89) n-Butylbenzene	13.825	91	462000	33.832	ug/l	99
90) Hexachloroethane	14.090	117	119466	40.285	ug/l	100
91) 1,2-Dichlorobenzene	13.873	146	335386	50.653	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.484	75	28592	62.768	ug/l	91
93) 1,2,4-Trichlorobenzene	15.143	180	186235	49.543	ug/l	97
94) Hexachlorobutadiene	15.249	225	69578	32.846	ug/l	98
95) Naphthalene	15.378	128	415663	55.709	ug/l	99
96) 1,2,3-Trichlorobenzene	15.572	180	175368	52.623	ug/l	100

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

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