

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051722\
 Data File : VD073053.D
 Acq On : 17 May 2022 10:47
 Operator : VA/SY
 Sample : VSTDICC010
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC010

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/18/2022
 Supervised By : Mahesh Dadoda 05/18/2022

Quant Time: May 18 04:35:53 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D051722S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 18 04:27:31 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.973	168	280042	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	481642	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	475281	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	236441	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	35000	9.994	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	19.980%#		
35) Dibromofluoromethane	7.908	113	33130	9.797	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	19.600%#		
50) Toluene-d8	10.332	98	115610	9.424	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	18.840%#		
62) 4-Bromofluorobenzene	12.620	95	40941	9.214	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	18.420%#		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.991	85	38483	10.989	ug/l	95
3) Chloromethane	2.209	50	38987	10.799	ug/l	93
4) Vinyl Chloride	2.350	62	34070	10.262	ug/l	95
5) Bromomethane	2.762	94	25180	10.678	ug/l	88
6) Chloroethane	2.920	64	21697	10.494	ug/l	97
7) Trichlorofluoromethane	3.273	101	61637	10.145	ug/l	96
8) Diethyl Ether	3.709	74	16085	9.675	ug/l	94
9) 1,1,2-Trichlorotrifluo...	4.097	101	36270	10.081	ug/l	98
10) Methyl Iodide	4.291	142	30259	8.326	ug/l	98
11) Tert butyl alcohol	5.185	59	40716	75.164	ug/l #	74
12) 1,1-Dichloroethene	4.062	96	31980	9.829	ug/l	87
13) Acrolein	3.920	56	15755	53.696	ug/l	97
14) Allyl chloride	4.709	41	47995	9.311	ug/l	93
15) Acrylonitrile	5.420	53	37840	47.489	ug/l	99
16) Acetone	4.150	43	33480	52.827	ug/l	97
17) Carbon Disulfide	4.409	76	109498	10.048	ug/l	99
18) Methyl Acetate	4.714	43	17819	8.906	ug/l	94
19) Methyl tert-butyl Ether	5.485	73	70521	9.268	ug/l	95
20) Methylene Chloride	4.962	84	53781	11.692	ug/l #	83
21) trans-1,2-Dichloroethene	5.467	96	37456	9.678	ug/l	85
22) Diisopropyl ether	6.361	45	105555	9.540	ug/l #	94
23) Vinyl Acetate	6.303	43	279333	46.733	ug/l	96
24) 1,1-Dichloroethane	6.267	63	70046	10.176	ug/l	98
25) 2-Butanone	7.208	43	47561	49.559	ug/l	94
26) 2,2-Dichloropropane	7.197	77	57618	9.887	ug/l	98
27) cis-1,2-Dichloroethene	7.203	96	41683	9.767	ug/l	92
28) Bromochloromethane	7.544	49	21923	9.298	ug/l #	78
29) Tetrahydrofuran	7.555	42	29305	47.456	ug/l	95
30) Chloroform	7.703	83	76162	10.341	ug/l	90
31) Cyclohexane	7.979	56	61564	9.759	ug/l #	76
32) 1,1,1-Trichloroethane	7.903	97	62610	9.923	ug/l	94
36) 1,1-Dichloropropene	8.103	75	54522	9.895	ug/l	97
37) Ethyl Acetate	7.291	43	23466	10.141	ug/l	97
38) Carbon Tetrachloride	8.097	117	55944	9.924	ug/l	89
39) Methylcyclohexane	9.350	83	56669	8.820	ug/l	90
40) Benzene	8.350	78	155533	9.872	ug/l	99

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 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.526	41	13417	10.282	ug/l #	82
42) 1,2-Dichloroethane	8.420	62	46146	10.063	ug/l	98
43) Isopropyl Acetate	8.444	43	41045	9.540	ug/l #	93
44) Trichloroethene	9.102	130	42195	9.901	ug/l	92
45) 1,2-Dichloropropane	9.379	63	41162	10.060	ug/l	99
46) Dibromomethane	9.467	93	23497	10.386	ug/l	98
47) Bromodichloromethane	9.655	83	55914	9.731	ug/l	96
48) Methyl methacrylate	9.450	41	18425	8.634	ug/l #	86
49) 1,4-Dioxane	9.461	88	4635	196.779	ug/l	92
51) 4-Methyl-2-Pentanone	10.220	43	107250	47.768	ug/l	99
52) Toluene	10.397	92	93544	9.352	ug/l	99
53) t-1,3-Dichloropropene	10.608	75	50236	9.586	ug/l	95
54) cis-1,3-Dichloropropene	10.085	75	60118	9.730	ug/l	88
55) 1,1,2-Trichloroethane	10.791	97	30265	9.801	ug/l	96
56) Ethyl methacrylate	10.649	69	30176	8.641	ug/l	89
57) 1,3-Dichloropropane	10.938	76	52533	9.998	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.932	63	61214	38.613	ug/l	98
59) 2-Hexanone	10.973	43	67545	45.541	ug/l	99
60) Dibromochloromethane	11.132	129	37235	9.705	ug/l	96
61) 1,2-Dibromoethane	11.244	107	28336	9.536	ug/l	95
64) Tetrachloroethene	10.867	164	34545	9.921	ug/l	97
65) Chlorobenzene	11.661	112	106312	9.865	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.738	131	40630	9.870	ug/l	100
67) Ethyl Benzene	11.738	91	175224	9.338	ug/l	97
68) m/p-Xylenes	11.844	106	135400	18.619	ug/l	98
69) o-Xylene	12.173	106	60200	8.976	ug/l	98
70) Styrene	12.185	104	106883	9.125	ug/l	96
71) Bromoform	12.349	173	21359	9.855	ug/l #	97
73) Isopropylbenzene	12.467	105	159609	8.906	ug/l	99
74) N-amyl acetate	12.279	43	36767	8.778	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.720	83	35212	9.966	ug/l	97
76) 1,2,3-Trichloropropane	12.767	75	25001m	9.243	ug/l	
77) Bromobenzene	12.749	156	40608	9.496	ug/l	94
78) n-propylbenzene	12.808	91	203064	9.023	ug/l	99
79) 2-Chlorotoluene	12.896	91	119807	9.138	ug/l	98
80) 1,3,5-Trimethylbenzene	12.949	105	139220	9.118	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.520	75	10197	9.148	ug/l	86
82) 4-Chlorotoluene	12.991	91	131195	9.455	ug/l	99
83) tert-Butylbenzene	13.214	119	115425	8.925	ug/l	95
84) 1,2,4-Trimethylbenzene	13.255	105	138849	9.141	ug/l	100
85) sec-Butylbenzene	13.390	105	178537	9.095	ug/l	98
86) p-Isopropyltoluene	13.502	119	142043	8.896	ug/l	99
87) 1,3-Dichlorobenzene	13.502	146	86739	9.869	ug/l	99
88) 1,4-Dichlorobenzene	13.579	146	88331	10.170	ug/l	98
89) n-Butylbenzene	13.832	91	136649	8.800	ug/l	99
90) Hexachloroethane	14.090	117	32124	9.682	ug/l	99
91) 1,2-Dichlorobenzene	13.873	146	74167	9.729	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.490	75	5739	10.450	ug/l	96
93) 1,2,4-Trichlorobenzene	15.143	180	38348	8.817	ug/l	97
94) Hexachlorobutadiene	15.249	225	24587	10.128	ug/l	94
95) Naphthalene	15.384	128	65032	8.254	ug/l	97
96) 1,2,3-Trichlorobenzene	15.573	180	35856	9.286	ug/l	97

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

