

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD031122\
 Data File : VD072144.D
 Acq On : 11 Mar 2022 11:15
 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 :Mahesh Dadoda 03/16/2022
 Supervised By :Semsettin Yesilyurt 03/16/2022

Quant Time: Mar 14 01:25:49 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D031122S.M
 Quant Title : SW846 8260
 QLast Update : Mon Mar 14 01:23:26 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.973	168	389926	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	615726	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	574443	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	301884	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.320	65	44807	9.395	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	18.780%#		
35) Dibromofluoromethane	7.914	113	41608	10.307	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	20.620%#		
50) Toluene-d8	10.332	98	156235	10.378	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	20.760%#		
62) 4-Bromofluorobenzene	12.620	95	63492	11.863	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	23.720%#		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.985	85	35855	7.901	ug/l	95
3) Chloromethane	2.209	50	30454	5.802	ug/l	99
4) Vinyl Chloride	2.350	62	27926	5.128	ug/l	93
5) Bromomethane	2.762	94	19640	5.480	ug/l	89
6) Chloroethane	2.926	64	19077	5.526	ug/l	96
7) Trichlorofluoromethane	3.268	101	69852	8.513	ug/l	98
8) Diethyl Ether	3.715	74	18880	8.809	ug/l	88
9) 1,1,2-Trichlorotrifluo...	4.097	101	46298	9.847	ug/l	93
10) Methyl Iodide	4.297	142	29421	6.379	ug/l	96
11) Tert butyl alcohol	5.220	59	13764	39.531	ug/l #	91
12) 1,1-Dichloroethene	4.068	96	34257	8.144	ug/l	93
13) Acrolein	3.921	56	11892	29.516	ug/l	100
14) Allyl chloride	4.715	41	58306	7.376	ug/l	94
15) Acrylonitrile	5.426	53	49903	46.326	ug/l	96
16) Acetone	4.162	43	48631	38.619	ug/l	90
17) Carbon Disulfide	4.409	76	57469	4.099	ug/l	96
18) Methyl Acetate	4.715	43	26535	9.535	ug/l	97
19) Methyl tert-butyl Ether	5.479	73	94683	9.390	ug/l	94
20) Methylene Chloride	4.962	84	57643	10.399	ug/l	89
21) trans-1,2-Dichloroethene	5.473	96	37726	7.725	ug/l	90
22) Diisopropyl ether	6.367	45	139974	8.970	ug/l	96
23) Vinyl Acetate	6.309	43	334370	39.393	ug/l #	95
24) 1,1-Dichloroethane	6.262	63	83047	9.034	ug/l	98
25) 2-Butanone	7.203	43	62847	42.149	ug/l	96
26) 2,2-Dichloropropane	7.209	77	76061	9.827	ug/l	99
27) cis-1,2-Dichloroethene	7.209	96	49504	9.287	ug/l	93
28) Bromochloromethane	7.544	49	31971	9.152	ug/l	87
29) Tetrahydrofuran	7.567	42	35726	40.266	ug/l	92
30) Chloroform	7.709	83	92073	9.730	ug/l	97
31) Cyclohexane	7.985	56	61596	6.736	ug/l #	80
32) 1,1,1-Trichloroethane	7.903	97	80115	9.531	ug/l	95
36) 1,1-Dichloropropene	8.109	75	58739	8.548	ug/l	97
37) Ethyl Acetate	7.285	43	24758	7.972	ug/l #	94
38) Carbon Tetrachloride	8.091	117	70722	10.229	ug/l	90
39) Methylcyclohexane	9.356	83	58798	7.393	ug/l	94
40) Benzene	8.350	78	167981	9.033	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.514	41	14853	8.508	ug/l #	84
42) 1,2-Dichloroethane	8.420	62	52335	9.058	ug/l	97
43) Isopropyl Acetate	8.450	43	49985	8.909	ug/l	92
44) Trichloroethene	9.108	130	48986	10.013	ug/l	98
45) 1,2-Dichloropropane	9.379	63	48858	10.180	ug/l	94
46) Dibromomethane	9.467	93	24073	9.701	ug/l	94
47) Bromodichloromethane	9.656	83	70599	10.581	ug/l	95
48) Methyl methacrylate	9.456	41	23392	7.888	ug/l #	85
49) 1,4-Dioxane	9.456	88	5304	188.001	ug/l #	68
51) 4-Methyl-2-Pentanone	10.220	43	136878	46.710	ug/l	96
52) Toluene	10.403	92	111140	9.501	ug/l	94
53) t-1,3-Dichloropropene	10.614	75	61350	10.065	ug/l	96
54) cis-1,3-Dichloropropene	10.085	75	71630	9.967	ug/l	94
55) 1,1,2-Trichloroethane	10.797	97	38376	11.432	ug/l	90
56) Ethyl methacrylate	10.655	69	39692	9.679	ug/l	90
57) 1,3-Dichloropropane	10.938	76	60536	10.208	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.938	63	90318	47.464	ug/l	93
59) 2-Hexanone	10.979	43	92004	43.832	ug/l	99
60) Dibromochloromethane	11.138	129	48015	11.508	ug/l	100
61) 1,2-Dibromoethane	11.238	107	31843	9.927	ug/l	94
64) Tetrachloroethene	10.873	164	39834	9.703	ug/l	94
65) Chlorobenzene	11.661	112	128767	10.460	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.738	131	52669	11.636	ug/l	98
67) Ethyl Benzene	11.738	91	218272	9.690	ug/l	99
68) m/p-Xylenes	11.844	106	168792	19.701	ug/l	97
69) o-Xylene	12.173	106	79148	10.082	ug/l	96
70) Styrene	12.185	104	142748	10.591	ug/l	96
71) Bromoform	12.350	173	28301	11.806	ug/l #	99
73) Isopropylbenzene	12.473	105	224908	9.529	ug/l	98
74) N-amyl acetate	12.279	43	47765	8.584	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.720	83	44992	10.507	ug/l	98
76) 1,2,3-Trichloropropane	12.773	75	34399m	10.770	ug/l	
77) Bromobenzene	12.749	156	53311	10.192	ug/l	91
78) n-propylbenzene	12.808	91	281673	9.595	ug/l	98
79) 2-Chlorotoluene	12.897	91	169239	10.180	ug/l	98
80) 1,3,5-Trimethylbenzene	12.949	105	203527	10.410	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.520	75	12816	9.957	ug/l	89
82) 4-Chlorotoluene	12.997	91	171719	9.916	ug/l	98
83) tert-Butylbenzene	13.214	119	175317	10.688	ug/l	96
84) 1,2,4-Trimethylbenzene	13.261	105	202664	10.556	ug/l	98
85) sec-Butylbenzene	13.391	105	268704	10.513	ug/l	100
86) p-Isopropyltoluene	13.502	119	220950	10.640	ug/l	100
87) 1,3-Dichlorobenzene	13.502	146	113445	10.647	ug/l	99
88) 1,4-Dichlorobenzene	13.585	146	115199	10.826	ug/l	96
89) n-Butylbenzene	13.832	91	208768	10.251	ug/l	99
90) Hexachloroethane	14.096	117	44451	10.794	ug/l	95
91) 1,2-Dichlorobenzene	13.873	146	100951	11.075	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.485	75	6657	9.437	ug/l	83
93) 1,2,4-Trichlorobenzene	15.143	180	67040	12.266	ug/l	97
94) Hexachlorobutadiene	15.249	225	41564	13.629	ug/l	94
95) Naphthalene	15.385	128	107478	11.118	ug/l	99
96) 1,2,3-Trichlorobenzene	15.579	180	57750	12.377	ug/l	98

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

