

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD080122\
 Data File : VD073909.D
 Acq On : 01 Aug 2022 12:13
 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 :Krupa Patel 08/02/2022
 Supervised By :Mahesh Dadoda 08/02/2022

Quant Time: Aug 02 04:50:03 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D080122S.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 02 04:48:40 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.973	168	186108	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.856	114	308929	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	282685	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.555	152	131779	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	20301	11.750	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	23.500%#		
35) Dibromofluoromethane	7.903	113	21964	11.443	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	22.880%#		
50) Toluene-d8	10.326	98	74431	11.512	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	23.020%#		
62) 4-Bromofluorobenzene	12.614	95	25195	10.597	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	21.200%#		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.991	85	16967	9.830	ug/l	95
3) Chloromethane	2.209	50	22652	9.579	ug/l	90
4) Vinyl Chloride	2.350	62	26188	8.980	ug/l	99
5) Bromomethane	2.762	94	18277	8.875	ug/l	100
6) Chloroethane	2.921	64	20106	9.803	ug/l	99
7) Trichlorofluoromethane	3.268	101	31328	10.021	ug/l	93
8) Diethyl Ether	3.703	74	7950	10.104	ug/l	96
9) 1,1,2-Trichlorotrifluo...	4.091	101	19353	10.443	ug/l	96
10) Methyl Iodide	4.291	142	16872	8.326	ug/l	94
11) Tert butyl alcohol	5.226	59	7224	50.688	ug/l #	90
12) 1,1-Dichloroethene	4.056	96	14701	8.953	ug/l	88
13) Acrolein	3.921	56	2308	26.269	ug/l	94
14) Allyl chloride	4.709	41	21053	9.483	ug/l	93
15) Acrylonitrile	5.415	53	17308	51.383	ug/l	97
16) Acetone	4.162	43	16043	49.683	ug/l	94
17) Carbon Disulfide	4.403	76	38691	8.092	ug/l	99
18) Methyl Acetate	4.709	43	9648	9.988	ug/l	98
19) Methyl tert-butyl Ether	5.479	73	40007m	10.064	ug/l	
20) Methylene Chloride	4.950	84	44226	13.101	ug/l	96
21) trans-1,2-Dichloroethene	5.473	96	18114	9.257	ug/l	87
22) Diisopropyl ether	6.367	45	47770	9.910	ug/l	96
23) Vinyl Acetate	6.303	43	122291m	48.072	ug/l	
24) 1,1-Dichloroethane	6.262	63	33444	10.257	ug/l	99
25) 2-Butanone	7.209	43	23896	52.609	ug/l	96
26) 2,2-Dichloropropane	7.209	77	33543	10.174	ug/l	97
27) cis-1,2-Dichloroethene	7.203	96	21854	9.920	ug/l	97
28) Bromochloromethane	7.532	49	10347	9.509	ug/l	94
29) Tetrahydrofuran	7.562	42	13855	52.204	ug/l	98
30) Chloroform	7.703	83	37805	10.175	ug/l	93
31) Cyclohexane	7.979	56	27406	9.510	ug/l #	86
32) 1,1,1-Trichloroethane	7.897	97	34544	9.765	ug/l	98
36) 1,1-Dichloropropene	8.103	75	25893	9.472	ug/l	100
37) Ethyl Acetate	7.291	43	11058	10.861	ug/l #	87
38) Carbon Tetrachloride	8.091	117	27727	9.054	ug/l	96
39) Methylcyclohexane	9.350	83	28683	8.951	ug/l	96
40) Benzene	8.344	78	70565	9.407	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.520	41	7061	12.014	ug/l #	87
42) 1,2-Dichloroethane	8.420	62	23686	10.288	ug/l	99
43) Isopropyl Acetate	8.444	43	20188	10.013	ug/l	98
44) Trichloroethene	9.108	130	21856	9.671	ug/l	90
45) 1,2-Dichloropropane	9.379	63	18418	10.204	ug/l	94
46) Dibromomethane	9.467	93	11082	9.545	ug/l	97
47) Bromodichloromethane	9.650	83	28491	9.907	ug/l	94
48) Methyl methacrylate	9.450	41	9249	9.830	ug/l	88
49) 1,4-Dioxane	9.450	88	2471	201.948	ug/l	98
51) 4-Methyl-2-Pentanone	10.220	43	49839	49.514	ug/l	100
52) Toluene	10.391	92	47880	9.380	ug/l	95
53) t-1,3-Dichloropropene	10.608	75	25072	9.471	ug/l	94
54) cis-1,3-Dichloropropene	10.079	75	28132	9.386	ug/l	96
55) 1,1,2-Trichloroethane	10.785	97	15318	10.258	ug/l	91
56) Ethyl methacrylate	10.650	69	15581	9.165	ug/l	98
57) 1,3-Dichloropropane	10.932	76	24590	10.175	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.932	63	27556	42.353	ug/l	100
59) 2-Hexanone	10.973	43	33763	49.569	ug/l	98
60) Dibromochloromethane	11.132	129	19843	9.849	ug/l	99
61) 1,2-Dibromoethane	11.232	107	14509	9.586	ug/l	98
64) Tetrachloroethene	10.861	164	20206	10.044	ug/l	85
65) Chlorobenzene	11.661	112	57058	10.182	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.726	131	20829	9.703	ug/l	96
67) Ethyl Benzene	11.732	91	92548	9.350	ug/l	98
68) m/p-Xylenes	11.838	106	72029	18.357	ug/l	97
69) o-Xylene	12.167	106	32491	8.841	ug/l	97
70) Styrene	12.179	104	56616	9.121	ug/l	99
71) Bromoform	12.350	173	11220	9.517	ug/l #	100
73) Isopropylbenzene	12.467	105	88779	9.770	ug/l	100
74) N-amyl acetate	12.273	43	18673	10.262	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.714	83	16869	10.898	ug/l	97
76) 1,2,3-Trichloropropane	12.767	75	8806m	7.381	ug/l	
77) Bromobenzene	12.744	156	21183	9.903	ug/l	95
78) n-propylbenzene	12.802	91	109843	9.941	ug/l	98
79) 2-Chlorotoluene	12.891	91	63461	10.040	ug/l	96
80) 1,3,5-Trimethylbenzene	12.944	105	74869	9.699	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.514	75	4243	9.237	ug/l #	90
82) 4-Chlorotoluene	12.991	91	68541	10.344	ug/l	96
83) tert-Butylbenzene	13.208	119	66113	9.836	ug/l	98
84) 1,2,4-Trimethylbenzene	13.249	105	74630	9.786	ug/l	99
85) sec-Butylbenzene	13.385	105	101661	9.996	ug/l	99
86) p-Isopropyltoluene	13.502	119	84057	9.839	ug/l	99
87) 1,3-Dichlorobenzene	13.496	146	45876	10.271	ug/l	97
88) 1,4-Dichlorobenzene	13.579	146	45090	10.191	ug/l	97
89) n-Butylbenzene	13.820	91	78620	9.981	ug/l	99
90) Hexachloroethane	14.096	117	15692	10.024	ug/l	98
91) 1,2-Dichlorobenzene	13.867	146	38248	10.015	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.485	75	2821	10.700	ug/l	97
93) 1,2,4-Trichlorobenzene	15.138	180	25065	10.554	ug/l	98
94) Hexachlorobutadiene	15.243	225	13655	10.583	ug/l	98
95) Naphthalene	15.373	128	43159	9.950	ug/l	99
96) 1,2,3-Trichlorobenzene	15.567	180	21522	10.484	ug/l	95

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

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