

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD080522\
 Data File : VD073966.D
 Acq On : 05 Aug 2022 15:25
 Operator : VA/SY
 Sample : VSTDICC020
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC020

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 08/08/2022
 Supervised By :Mahesh Dadoda 08/08/2022

Quant Time: Aug 06 00:11:43 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D080522S.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 06 00:09:30 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.973	168	149925	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	244183	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	228097	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.555	152	112088	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.320	65	32867	23.341	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	46.680%#		
35) Dibromofluoromethane	7.903	113	33013	21.945	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	43.880%#		
50) Toluene-d8	10.332	98	115277	24.101	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	48.200%#		
62) 4-Bromofluorobenzene	12.614	95	41240	20.570	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	41.140%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.991	85	29547	19.124	ug/l	83
3) Chloromethane	2.209	50	46042	20.958	ug/l	93
4) Vinyl Chloride	2.344	62	62279	21.053	ug/l	96
5) Bromomethane	2.750	94	41924	20.421	ug/l	92
6) Chloroethane	2.909	64	42856	20.727	ug/l	96
7) Trichlorofluoromethane	3.262	101	57850	20.252	ug/l	98
8) Diethyl Ether	3.703	74	13202	19.850	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.085	101	32569	20.306	ug/l	98
10) Methyl Iodide	4.285	142	32222	20.408	ug/l	99
11) Tert butyl alcohol	5.226	59	12520	96.319	ug/l #	92
12) 1,1-Dichloroethene	4.062	96	28399	20.026	ug/l	97
13) Acrolein	3.909	56	3107	44.340	ug/l	99
14) Allyl chloride	4.709	41	38814	20.621	ug/l	98
15) Acrylonitrile	5.409	53	28529	100.370	ug/l	96
16) Acetone	4.156	43	24997	97.766	ug/l	96
17) Carbon Disulfide	4.397	76	94582	21.261	ug/l	98
18) Methyl Acetate	4.720	43	14825	18.938	ug/l #	47
19) Methyl tert-butyl Ether	5.473	73	65983	20.048	ug/l	95
20) Methylene Chloride	4.950	84	50185	20.104	ug/l	90
21) trans-1,2-Dichloroethene	5.467	96	34363	20.052	ug/l	93
22) Diisopropyl ether	6.361	45	80953	19.964	ug/l	95
23) Vinyl Acetate	6.297	43	222474	105.077	ug/l	100
24) 1,1-Dichloroethane	6.256	63	56439	20.212	ug/l	99
25) 2-Butanone	7.203	43	37933	98.822	ug/l	100
26) 2,2-Dichloropropane	7.203	77	55765	20.115	ug/l	99
27) cis-1,2-Dichloroethene	7.203	96	37061	19.985	ug/l	99
28) Bromochloromethane	7.538	49	17316	19.392	ug/l	96
29) Tetrahydrofuran	7.555	42	22839	100.733	ug/l	99
30) Chloroform	7.703	83	64356	20.399	ug/l	95
31) Cyclohexane	7.973	56	50734	19.868	ug/l	94
32) 1,1,1-Trichloroethane	7.897	97	61004	20.318	ug/l	99
36) 1,1-Dichloropropene	8.103	75	47722	20.095	ug/l	97
37) Ethyl Acetate	7.285	43	18311	20.732	ug/l	97
38) Carbon Tetrachloride	8.085	117	52943	20.017	ug/l	92
39) Methylcyclohexane	9.350	83	54895	20.214	ug/l	98
40) Benzene	8.344	78	128864	19.980	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.526	41	11409	24.459	ug/l #	86
42) 1,2-Dichloroethane	8.414	62	41188	21.050	ug/l	100
43) Isopropyl Acetate	8.444	43	34709	20.112	ug/l	100
44) Trichloroethene	9.102	130	37478	20.187	ug/l	91
45) 1,2-Dichloropropane	9.379	63	30376	20.093	ug/l	96
46) Dibromomethane	9.467	93	19994	20.074	ug/l	100
47) Bromodichloromethane	9.649	83	47990	19.782	ug/l	100
48) Methyl methacrylate	9.444	41	15755	19.963	ug/l	99
49) 1,4-Dioxane	9.455	88	4651	439.828	ug/l #	84
51) 4-Methyl-2-Pentanone	10.220	43	85912	100.053	ug/l	99
52) Toluene	10.397	92	82959	19.447	ug/l	95
53) t-1,3-Dichloropropene	10.608	75	42358	19.400	ug/l	98
54) cis-1,3-Dichloropropene	10.079	75	49667	19.946	ug/l	96
55) 1,1,2-Trichloroethane	10.791	97	25723	20.386	ug/l	94
56) Ethyl methacrylate	10.649	69	25797	18.822	ug/l	94
57) 1,3-Dichloropropane	10.932	76	40363	19.710	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.932	63	45249	86.320	ug/l	98
59) 2-Hexanone	10.973	43	56525	99.385	ug/l	97
60) Dibromochloromethane	11.126	129	33203	19.640	ug/l	98
61) 1,2-Dibromoethane	11.232	107	25380	20.114	ug/l	95
64) Tetrachloroethene	10.867	164	32328	20.203	ug/l	97
65) Chlorobenzene	11.655	112	92504	20.076	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.732	131	33869	19.221	ug/l	96
67) Ethyl Benzene	11.732	91	155861	19.488	ug/l	99
68) m/p-Xylenes	11.843	106	126886	39.141	ug/l	99
69) o-Xylene	12.167	106	58399	19.616	ug/l	97
70) Styrene	12.179	104	100794	19.816	ug/l	98
71) Bromoform	12.349	173	18569	18.441	ug/l #	97
73) Isopropylbenzene	12.467	105	156978	20.471	ug/l	99
74) N-amyl acetate	12.279	43	31157	20.481	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.714	83	29967	21.554	ug/l	96
76) 1,2,3-Trichloropropane	12.767	75	23227m	24.081	ug/l	
77) Bromobenzene	12.743	156	36710	20.323	ug/l	99
78) n-propylbenzene	12.802	91	192674	20.416	ug/l	99
79) 2-Chlorotoluene	12.890	91	109529	20.632	ug/l	98
80) 1,3,5-Trimethylbenzene	12.943	105	131770	20.207	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.508	75	8485	20.624	ug/l	95
82) 4-Chlorotoluene	12.990	91	117443	20.764	ug/l	99
83) tert-Butylbenzene	13.208	119	111794	19.983	ug/l	98
84) 1,2,4-Trimethylbenzene	13.255	105	131722	20.184	ug/l	98
85) sec-Butylbenzene	13.385	105	170629	19.945	ug/l	98
86) p-Isopropyltoluene	13.502	119	141962	19.567	ug/l	99
87) 1,3-Dichlorobenzene	13.502	146	75804	20.045	ug/l	99
88) 1,4-Dichlorobenzene	13.579	146	75831	19.969	ug/l	97
89) n-Butylbenzene	13.826	91	132484	19.890	ug/l	99
90) Hexachloroethane	14.090	117	28198	20.020	ug/l	96
91) 1,2-Dichlorobenzene	13.873	146	66218	20.319	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.485	75	4955	21.744	ug/l	83
93) 1,2,4-Trichlorobenzene	15.137	180	37995	19.564	ug/l	99
94) Hexachlorobutadiene	15.243	225	21725	20.285	ug/l	97
95) Naphthalene	15.379	128	68783	19.342	ug/l	99
96) 1,2,3-Trichlorobenzene	15.567	180	34498	19.695	ug/l	93

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

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