

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD062322\
 Data File : VD073666.D
 Acq On : 23 Jun 2022 14:07
 Operator : VA/SY
 Sample : VSTDICC020
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC020

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 06/30/2022
 Supervised By :Mahesh Dadoda 06/30/2022

Quant Time: Jun 24 06:57:01 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D062322S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 24 06:54:43 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.973	168	210470	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	335707	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	319163	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	168012	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.320	65	54214	22.418	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	44.840%#		
35) Dibromofluoromethane	7.908	113	55208	22.507	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	45.020%#		
50) Toluene-d8	10.332	98	197885	22.698	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	45.400%#		
62) 4-Bromofluorobenzene	12.620	95	74060	23.116	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	46.240%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.991	85	45517	22.493	ug/l	92
3) Chloromethane	2.209	50	40497	22.176	ug/l	98
4) Vinyl Chloride	2.344	62	38959	22.515	ug/l	95
5) Bromomethane	2.744	94	29227	21.460	ug/l	99
6) Chloroethane	2.909	64	26595	23.250	ug/l	95
7) Trichlorofluoromethane	3.262	101	92157	22.739	ug/l	98
8) Diethyl Ether	3.703	74	23117	21.938	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.091	101	51474	22.067	ug/l	100
10) Methyl Iodide	4.291	142	50233	22.503	ug/l	98
11) Tert butyl alcohol	5.179	59	52668	186.027	ug/l #	100
12) 1,1-Dichloroethene	4.067	96	44129	21.698	ug/l	97
13) Acrolein	3.903	56	3944m	60.618	ug/l	
14) Allyl chloride	4.709	41	64693	22.193	ug/l	99
15) Acrylonitrile	5.414	53	56766	118.786	ug/l	97
16) Acetone	4.150	43	42992	109.698	ug/l	92
17) Carbon Disulfide	4.403	76	113969	19.907	ug/l	96
18) Methyl Acetate	4.709	43	28605	23.115	ug/l	100
19) Methyl tert-butyl Ether	5.473	73	114657	23.693	ug/l	96
20) Methylene Chloride	4.956	84	68389	22.267	ug/l #	83
21) trans-1,2-Dichloroethene	5.461	96	52074	21.617	ug/l	99
22) Diisopropyl ether	6.361	45	151756	23.144	ug/l	96
23) Vinyl Acetate	6.297	43	389056	113.521	ug/l	96
24) 1,1-Dichloroethane	6.250	63	99014	22.475	ug/l	98
25) 2-Butanone	7.203	43	64942	114.982	ug/l	94
26) 2,2-Dichloropropane	7.203	77	91471	22.463	ug/l	97
27) cis-1,2-Dichloroethene	7.203	96	62369	22.295	ug/l	98
28) Bromochloromethane	7.544	49	30537	18.758	ug/l	96
29) Tetrahydrofuran	7.567	42	40130	115.279	ug/l	100
30) Chloroform	7.703	83	108928	21.811	ug/l	95
31) Cyclohexane	7.979	56	78406	21.331	ug/l #	97
32) 1,1,1-Trichloroethane	7.903	97	100349	22.508	ug/l	99
36) 1,1-Dichloropropene	8.103	75	76538	22.277	ug/l	99
37) Ethyl Acetate	7.285	43	29642	22.458	ug/l #	88
38) Carbon Tetrachloride	8.091	117	91186	23.279	ug/l	91
39) Methylcyclohexane	9.350	83	81787	21.569	ug/l	97
40) Benzene	8.344	78	221496	22.312	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.514	41	17249	23.325	ug/l	95
42) 1,2-Dichloroethane	8.414	62	67964	22.820	ug/l	98
43) Isopropyl Acetate	8.444	43	57552	22.940	ug/l	97
44) Trichloroethene	9.108	130	65446	23.070	ug/l	98
45) 1,2-Dichloropropane	9.379	63	55343	22.172	ug/l	95
46) Dibromomethane	9.461	93	33390	23.607	ug/l	91
47) Bromodichloromethane	9.655	83	82476	22.287	ug/l	97
48) Methyl methacrylate	9.444	41	30097m	23.838	ug/l	
49) 1,4-Dioxane	9.461	88	6894	430.379	ug/l #	91
51) 4-Methyl-2-Pentanone	10.220	43	150812	117.570	ug/l	98
52) Toluene	10.397	92	146800	22.683	ug/l	97
53) t-1,3-Dichloropropene	10.608	75	76098	22.602	ug/l	100
54) cis-1,3-Dichloropropene	10.079	75	88856	22.526	ug/l	97
55) 1,1,2-Trichloroethane	10.791	97	44467	22.155	ug/l	94
56) Ethyl methacrylate	10.655	69	49425	22.351	ug/l	95
57) 1,3-Dichloropropane	10.938	76	74033	22.508	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.932	63	96974	109.490	ug/l	98
59) 2-Hexanone	10.973	43	98887	111.969	ug/l	99
60) Dibromochloromethane	11.132	129	59870	22.798	ug/l	96
61) 1,2-Dibromoethane	11.238	107	43716	22.852	ug/l	100
64) Tetrachloroethene	10.867	164	53330	22.390	ug/l	93
65) Chlorobenzene	11.661	112	159927	22.247	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.732	131	64419	22.999	ug/l	98
67) Ethyl Benzene	11.738	91	279789	22.859	ug/l	100
68) m/p-Xylenes	11.844	106	222021	46.254	ug/l	99
69) o-Xylene	12.167	106	100354	22.423	ug/l	98
70) Styrene	12.185	104	179700	23.395	ug/l	100
71) Bromoform	12.349	173	35838	23.552	ug/l #	99
73) Isopropylbenzene	12.467	105	279037	22.846	ug/l	97
74) N-amyl acetate	12.279	43	56632	22.909	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.714	83	53497	23.228	ug/l	99
76) 1,2,3-Trichloropropane	12.767	75	29245m	18.301	ug/l	
77) Bromobenzene	12.749	156	66914	22.499	ug/l	98
78) n-propylbenzene	12.808	91	343426	22.999	ug/l	100
79) 2-Chlorotoluene	12.896	91	201453	22.967	ug/l	98
80) 1,3,5-Trimethylbenzene	12.949	105	243012	23.311	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.514	75	16157	22.888	ug/l	95
82) 4-Chlorotoluene	12.991	91	215897	23.061	ug/l	98
83) tert-Butylbenzene	13.214	119	211268	23.248	ug/l	99
84) 1,2,4-Trimethylbenzene	13.255	105	240782	23.400	ug/l	98
85) sec-Butylbenzene	13.390	105	312090	23.266	ug/l	99
86) p-Isopropyltoluene	13.502	119	266696	24.063	ug/l	99
87) 1,3-Dichlorobenzene	13.502	146	141973	23.171	ug/l	100
88) 1,4-Dichlorobenzene	13.579	146	141062	23.172	ug/l	99
89) n-Butylbenzene	13.826	91	247287	23.664	ug/l	99
90) Hexachloroethane	14.096	117	53540	22.565	ug/l	96
91) 1,2-Dichlorobenzene	13.873	146	122913	23.214	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.490	75	8442	23.595	ug/l	96
93) 1,2,4-Trichlorobenzene	15.143	180	71719	23.192	ug/l	97
94) Hexachlorobutadiene	15.249	225	42338	24.163	ug/l	98
95) Naphthalene	15.379	128	118955	22.095	ug/l	99
96) 1,2,3-Trichlorobenzene	15.573	180	64147	23.883	ug/l	95

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

