

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD062022\
 Data File : VD073632.D
 Acq On : 20 Jun 2022 14:38
 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 06/21/2022
 Supervised By :Mahesh Dadoda 06/21/2022

Quant Time: Jun 21 05:03:43 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D062022S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 21 05:00:54 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.973	168	245400	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	400154	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	381576	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	201927	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	56918	20.158	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	40.320%#		
35) Dibromofluoromethane	7.908	113	58339	20.097	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	40.200%#		
50) Toluene-d8	10.332	98	214444	20.639	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	41.280%#		
62) 4-Bromofluorobenzene	12.620	95	77128	20.242	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	40.480%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.991	85	51454	21.769	ug/l	95
3) Chloromethane	2.209	50	43890	20.467	ug/l	97
4) Vinyl Chloride	2.350	62	40407	19.985	ug/l	100
5) Bromomethane	2.756	94	32288	20.459	ug/l	98
6) Chloroethane	2.915	64	24424	18.667	ug/l	95
7) Trichlorofluoromethane	3.273	101	95542	20.398	ug/l	94
8) Diethyl Ether	3.709	74	22891	18.734	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.091	101	54781	20.247	ug/l	98
10) Methyl Iodide	4.297	142	53532	20.425	ug/l	99
11) Tert butyl alcohol	5.185	59	35382	113.461	ug/l #	76
12) 1,1-Dichloroethene	4.067	96	48865	20.661	ug/l	98
13) Acrolein	3.920	56	5933	71.629	ug/l	96
14) Allyl chloride	4.703	41	68331	20.079	ug/l	97
15) Acrylonitrile	5.414	53	53861	97.163	ug/l	99
16) Acetone	4.156	43	42498	94.674	ug/l	96
17) Carbon Disulfide	4.409	76	144792	21.237	ug/l	100
18) Methyl Acetate	4.709	43	27293	18.999	ug/l	98
19) Methyl tert-butyl Ether	5.485	73	110951	19.827	ug/l	97
20) Methylene Chloride	4.962	84	70918	19.732	ug/l	95
21) trans-1,2-Dichloroethene	5.467	96	57948	20.607	ug/l	96
22) Diisopropyl ether	6.356	45	154570	20.244	ug/l	98
23) Vinyl Acetate	6.297	43	399939	102.514	ug/l	99
24) 1,1-Dichloroethane	6.256	63	103738	20.290	ug/l	96
25) 2-Butanone	7.208	43	62758	96.040	ug/l	90
26) 2,2-Dichloropropane	7.203	77	95018	20.229	ug/l	100
27) cis-1,2-Dichloroethene	7.203	96	64224	19.799	ug/l	97
28) Bromochloromethane	7.538	49	35186	18.374	ug/l	100
29) Tetrahydrofuran	7.556	42	39572	97.645	ug/l	98
30) Chloroform	7.703	83	114478	19.778	ug/l	97
31) Cyclohexane	7.979	56	83507	19.438	ug/l	95
32) 1,1,1-Trichloroethane	7.897	97	104179	20.227	ug/l	97
36) 1,1-Dichloropropene	8.103	75	84361	20.748	ug/l	98
37) Ethyl Acetate	7.291	43	29979	19.162	ug/l	98
38) Carbon Tetrachloride	8.085	117	94728	20.512	ug/l	97
39) Methylcyclohexane	9.350	83	87588	19.441	ug/l	95
40) Benzene	8.344	78	236963	20.147	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.514	41	16437	18.980	ug/l	91
42) 1,2-Dichloroethane	8.420	62	70282	20.004	ug/l	99
43) Isopropyl Acetate	8.450	43	57437	19.502	ug/l	99
44) Trichloroethene	9.108	130	66438	19.832	ug/l	100
45) 1,2-Dichloropropane	9.379	63	59888	20.262	ug/l	100
46) Dibromomethane	9.473	93	33063	19.698	ug/l	98
47) Bromodichloromethane	9.655	83	87776	20.096	ug/l	98
48) Methyl methacrylate	9.450	41	26798	17.975	ug/l	92
49) 1,4-Dioxane	9.455	88	7179	385.977	ug/l	95
51) 4-Methyl-2-Pentanone	10.220	43	147648	97.645	ug/l	99
52) Toluene	10.397	92	154196	20.058	ug/l	99
53) t-1,3-Dichloropropene	10.608	75	80221	20.056	ug/l	97
54) cis-1,3-Dichloropropene	10.079	75	90692	19.392	ug/l	97
55) 1,1,2-Trichloroethane	10.791	97	46736	19.719	ug/l	94
56) Ethyl methacrylate	10.649	69	48878	18.688	ug/l	98
57) 1,3-Dichloropropane	10.938	76	77995	19.980	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.938	63	102973	97.897	ug/l	99
59) 2-Hexanone	10.979	43	100586	96.462	ug/l	96
60) Dibromochloromethane	11.132	129	61905	20.035	ug/l	97
61) 1,2-Dibromoethane	11.238	107	45459	20.021	ug/l	99
64) Tetrachloroethene	10.867	164	56230	19.907	ug/l	91
65) Chlorobenzene	11.661	112	169785	19.927	ug/l	93
66) 1,1,1,2-Tetrachloroethane	11.732	131	66513	20.143	ug/l	98
67) Ethyl Benzene	11.738	91	287897	19.874	ug/l	100
68) m/p-Xylenes	11.844	106	236249	41.413	ug/l	99
69) o-Xylene	12.173	106	105898	19.917	ug/l	100
70) Styrene	12.185	104	183970	20.176	ug/l	98
71) Bromoform	12.349	173	35256	19.609	ug/l #	99
73) Isopropylbenzene	12.467	105	283506	19.458	ug/l	99
74) N-amyl acetate	12.279	43	55298	18.778	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.714	83	52052	18.998	ug/l	99
76) 1,2,3-Trichloropropane	12.773	75	37731m	19.853	ug/l	
77) Bromobenzene	12.749	156	70071	19.763	ug/l	98
78) n-propylbenzene	12.808	91	357277	20.020	ug/l	100
79) 2-Chlorotoluene	12.896	91	205442	19.627	ug/l	100
80) 1,3,5-Trimethylbenzene	12.949	105	249469	20.048	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.514	75	16371	19.332	ug/l	99
82) 4-Chlorotoluene	12.996	91	225689	20.201	ug/l	100
83) tert-Butylbenzene	13.208	119	206690	19.189	ug/l	98
84) 1,2,4-Trimethylbenzene	13.255	105	246849	20.111	ug/l	100
85) sec-Butylbenzene	13.391	105	316830	19.781	ug/l	99
86) p-Isopropyltoluene	13.502	119	260861	19.717	ug/l	99
87) 1,3-Dichlorobenzene	13.502	146	144521	19.757	ug/l	99
88) 1,4-Dichlorobenzene	13.585	146	141933	19.577	ug/l	98
89) n-Butylbenzene	13.826	91	242896	19.526	ug/l	98
90) Hexachloroethane	14.096	117	54398	19.251	ug/l	99
91) 1,2-Dichlorobenzene	13.873	146	125360	19.865	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.490	75	8082	18.888	ug/l	94
93) 1,2,4-Trichlorobenzene	15.143	180	69238	18.834	ug/l	99
94) Hexachlorobutadiene	15.249	225	41510	19.924	ug/l	96
95) Naphthalene	15.385	128	117403	18.381	ug/l	98
96) 1,2,3-Trichlorobenzene	15.573	180	61986	19.383	ug/l	96

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

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