

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD020723\
 Data File : VD075256.D
 Acq On : 07 Feb 2023 11:16
 Operator : KP/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 02/08/2023
 Supervised By :Mahesh Dadoda 02/08/2023

Quant Time: Feb 08 03:26:07 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D020723S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 08 03:23:17 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	59906	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	98036	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.587	117	88160	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	43487	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	14577	20.752	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	41.500%#		
35) Dibromofluoromethane	7.805	113	14159	20.597	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	41.200%#		
50) Toluene-d8	10.269	98	54526	20.915	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	41.840%#		
62) 4-Bromofluorobenzene	12.575	95	17100	19.893	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	39.780%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.934	85	12044	23.042	ug/l	98
3) Chloromethane	2.146	50	21071	22.293	ug/l	96
4) Vinyl Chloride	2.281	62	20651	20.721	ug/l	100
5) Bromomethane	2.675	94	13261	20.796	ug/l	100
6) Chloroethane	2.834	64	14206	20.662	ug/l	94
7) Trichlorofluoromethane	3.175	101	26336	21.253	ug/l	95
8) Diethyl Ether	3.593	74	6680	20.053	ug/l	96
9) 1,1,2-Trichlorotrifluo...	3.964	101	14582	20.737	ug/l	99
10) Methyl Iodide	4.164	142	15184	19.463	ug/l #	85
11) Tert butyl alcohol	5.052	59	4789	114.595	ug/l	100
12) 1,1-Dichloroethene	3.934	96	13906	20.740	ug/l	96
13) Acrolein	3.799	56	3471	142.146	ug/l #	65
14) Allyl chloride	4.569	41	22428	20.105	ug/l	94
15) Acrylonitrile	5.258	53	15844	101.292	ug/l	98
16) Acetone	4.028	43	17599	94.750	ug/l	99
17) Carbon Disulfide	4.270	76	43039	20.806	ug/l	95
18) Methyl Acetate	4.569	43	10893	20.366	ug/l	96
19) Methyl tert-butyl Ether	5.311	73	31059	20.176	ug/l	98
20) Methylene Chloride	4.805	84	18350	19.805	ug/l	97
21) trans-1,2-Dichloroethene	5.311	96	15797	20.820	ug/l	92
22) Diisopropyl ether	6.216	45	44557	20.081	ug/l	97
23) Vinyl Acetate	6.164	43	61369	92.598	ug/l	95
24) 1,1-Dichloroethane	6.111	63	27970	20.218	ug/l	100
25) 2-Butanone	7.087	43	22596	98.180	ug/l	99
26) 2,2-Dichloropropane	7.069	77	24750	20.212	ug/l	96
27) cis-1,2-Dichloroethene	7.081	96	17869	21.051	ug/l	95
28) Bromochloromethane	7.422	49	8375	22.045	ug/l #	88
29) Tetrahydrofuran	7.446	42	12433	100.321	ug/l	95
30) Chloroform	7.599	83	28043	19.695	ug/l	94
31) Cyclohexane	7.875	56	24839	19.914	ug/l	99
32) 1,1,1-Trichloroethane	7.799	97	25356	19.908	ug/l	99
36) 1,1-Dichloropropene	8.011	75	21440	20.022	ug/l	98
37) Ethyl Acetate	7.169	43	9636	20.633	ug/l #	93
38) Carbon Tetrachloride	7.993	117	20771	20.933	ug/l	95
39) Methylcyclohexane	9.275	83	24458	19.732	ug/l	97
40) Benzene	8.252	78	61427	20.410	ug/l	94

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.399	41	5767m	17.902	ug/l	
42) 1,2-Dichloroethane	8.328	62	17994	20.651	ug/l	99
43) Isopropyl Acetate	8.358	43	18269	20.472	ug/l	95
44) Trichloroethene	9.028	130	16867	20.331	ug/l	99
45) 1,2-Dichloropropane	9.305	63	14780	19.337	ug/l	91
46) Dibromomethane	9.393	93	8519	20.112	ug/l	97
47) Bromodichloromethane	9.587	83	21158	20.070	ug/l	95
48) Methyl methacrylate	9.381	41	8144	19.216	ug/l	96
49) 1,4-Dioxane	9.387	88	1668	423.689	ug/l	92
51) 4-Methyl-2-Pentanone	10.157	43	44788	99.275	ug/l	96
52) Toluene	10.334	92	37578	19.823	ug/l	94
53) t-1,3-Dichloropropene	10.552	75	17574	19.246	ug/l	99
54) cis-1,3-Dichloropropene	10.016	75	21648	19.829	ug/l	93
55) 1,1,2-Trichloroethane	10.740	97	11240	20.788	ug/l	94
56) Ethyl methacrylate	10.599	69	12656	20.134	ug/l	95
57) 1,3-Dichloropropane	10.881	76	18556	20.145	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.869	63	16569	101.302	ug/l	100
59) 2-Hexanone	10.922	43	31978	97.020	ug/l	96
60) Dibromochloromethane	11.075	129	14004	20.904	ug/l	100
61) 1,2-Dibromoethane	11.181	107	10438	20.020	ug/l	98
64) Tetrachloroethene	10.810	164	14001	20.620	ug/l	90
65) Chlorobenzene	11.610	112	40350	20.295	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.687	131	14724	20.341	ug/l	98
67) Ethyl Benzene	11.687	91	73433	20.006	ug/l	98
68) m/p-Xylenes	11.799	106	56756	40.650	ug/l	98
69) o-Xylene	12.122	106	27154	20.820	ug/l	100
70) Styrene	12.140	104	45587	20.635	ug/l	99
71) Bromoform	12.304	173	8030	20.653	ug/l #	99
73) Isopropylbenzene	12.422	105	71280	20.233	ug/l	97
74) N-amyl acetate	12.234	43	15904	20.090	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.675	83	12462	20.332	ug/l	99
76) 1,2,3-Trichloropropane	12.728	75	9541m	13.158	ug/l	
77) Bromobenzene	12.704	156	16536	20.728	ug/l	98
78) n-propylbenzene	12.763	91	89117	20.330	ug/l	97
79) 2-Chlorotoluene	12.851	91	48230	20.058	ug/l	98
80) 1,3,5-Trimethylbenzene	12.904	105	59111	20.151	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.475	75	2609	18.521	ug/l	90
82) 4-Chlorotoluene	12.951	91	50821	20.262	ug/l	98
83) tert-Butylbenzene	13.169	119	50426	19.940	ug/l	99
84) 1,2,4-Trimethylbenzene	13.216	105	59752	20.395	ug/l	98
85) sec-Butylbenzene	13.346	105	78309	20.185	ug/l	99
86) p-Isopropyltoluene	13.463	119	64584	20.351	ug/l	98
87) 1,3-Dichlorobenzene	13.463	146	32700	20.280	ug/l	99
88) 1,4-Dichlorobenzene	13.540	146	33123	20.530	ug/l	96
89) n-Butylbenzene	13.793	91	62617	20.211	ug/l	98
90) Hexachloroethane	14.051	117	12759	20.393	ug/l	92
91) 1,2-Dichlorobenzene	13.834	146	28798	20.584	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.451	75	2049	21.554	ug/l	99
93) 1,2,4-Trichlorobenzene	15.098	180	17727	20.231	ug/l	97
94) Hexachlorobutadiene	15.204	225	9299	20.115	ug/l	93
95) Naphthalene	15.334	128	32964	20.213	ug/l	99
96) 1,2,3-Trichlorobenzene	15.528	180	15699	20.766	ug/l	96

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

