

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD022123\
 Data File : VD075376.D
 Acq On : 21 Feb 2023 12:05
 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 02/22/2023
 Supervised By :Mahesh Dadoda 02/22/2023

Quant Time: Feb 21 14:34:19 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D022123S.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 21 14:22:29 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	58275	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	94874	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.587	117	87389	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	43152	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	12333	22.678	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	45.360%#		
35) Dibromofluoromethane	7.805	113	12475	21.918	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	43.840%#		
50) Toluene-d8	10.269	98	45950	22.474	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	44.940%#		
62) 4-Bromofluorobenzene	12.575	95	14849	21.473	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	42.940%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.928	85	14684	22.380	ug/l	95
3) Chloromethane	2.152	50	20163	21.505	ug/l	95
4) Vinyl Chloride	2.281	62	20739	20.382	ug/l	95
5) Bromomethane	2.675	94	10934	19.247	ug/l	98
6) Chloroethane	2.834	64	13657	19.452	ug/l	95
7) Trichlorofluoromethane	3.175	101	24346	20.369	ug/l	94
8) Diethyl Ether	3.599	74	5434	19.215	ug/l	93
9) 1,1,2-Trichlorotrifluo...	3.969	101	13848	20.315	ug/l	97
10) Methyl Iodide	4.164	142	10922	18.696	ug/l	94
11) Tert butyl alcohol	5.040	59	4939m	127.846	ug/l	
12) 1,1-Dichloroethene	3.940	96	12668	19.970	ug/l	91
13) Acrolein	3.793	56	1934	168.805	ug/l	98
14) Allyl chloride	4.564	41	19864	19.791	ug/l	97
15) Acrylonitrile	5.258	53	13591	101.555	ug/l	96
16) Acetone	4.022	43	14759	96.726	ug/l	99
17) Carbon Disulfide	4.269	76	45033	20.140	ug/l	98
18) Methyl Acetate	4.558	43	9485	20.379	ug/l	97
19) Methyl tert-butyl Ether	5.322	73	25318	19.483	ug/l	97
20) Methylene Chloride	4.799	84	17775	20.680	ug/l	92
21) trans-1,2-Dichloroethene	5.311	96	14759	20.364	ug/l	88
22) Diisopropyl ether	6.216	45	37248	19.528	ug/l	94
23) Vinyl Acetate	6.158	43	56051	96.113	ug/l	99
24) 1,1-Dichloroethane	6.116	63	24921	19.739	ug/l	96
25) 2-Butanone	7.087	43	18227	97.548	ug/l	94
26) 2,2-Dichloropropane	7.075	77	20746	18.779	ug/l	98
27) cis-1,2-Dichloroethene	7.075	96	15122	20.369	ug/l	97
28) Bromochloromethane	7.434	49	6078	21.719	ug/l #	96
29) Tetrahydrofuran	7.446	42	10435	98.653	ug/l	95
30) Chloroform	7.599	83	25110	19.879	ug/l	95
31) Cyclohexane	7.881	56	23279	19.403	ug/l #	92
32) 1,1,1-Trichloroethane	7.799	97	23845	20.321	ug/l	99
36) 1,1-Dichloropropene	8.005	75	20128	19.885	ug/l	99
37) Ethyl Acetate	7.169	43	8254	20.459	ug/l #	98
38) Carbon Tetrachloride	7.993	117	19731	19.044	ug/l	98
39) Methylcyclohexane	9.275	83	22784	19.145	ug/l	89
40) Benzene	8.252	78	54571	19.653	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.405	41	4235	16.050	ug/l #	91
42) 1,2-Dichloroethane	8.322	62	15764	20.195	ug/l	99
43) Isopropyl Acetate	8.363	43	14890	19.927	ug/l	97
44) Trichloroethene	9.034	130	14663	19.651	ug/l	90
45) 1,2-Dichloropropane	9.305	63	13596	20.100	ug/l #	87
46) Dibromomethane	9.399	93	7330	19.837	ug/l	97
47) Bromodichloromethane	9.581	83	18800	19.985	ug/l	92
48) Methyl methacrylate	9.381	41	7666	20.272	ug/l	94
49) 1,4-Dioxane	9.393	88	1256	409.011	ug/l	98
51) 4-Methyl-2-Pentanone	10.157	43	37083	97.548	ug/l	99
52) Toluene	10.334	92	33841	19.866	ug/l	96
53) t-1,3-Dichloropropene	10.551	75	14280	18.406	ug/l	98
54) cis-1,3-Dichloropropene	10.022	75	17903	18.935	ug/l #	90
55) 1,1,2-Trichloroethane	10.734	97	9576	20.010	ug/l	97
56) Ethyl methacrylate	10.599	69	9745	18.388	ug/l	96
57) 1,3-Dichloropropane	10.881	76	16413	19.840	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.875	63	10853	97.702	ug/l	100
59) 2-Hexanone	10.922	43	26370	98.236	ug/l	96
60) Dibromochloromethane	11.075	129	11799	19.597	ug/l	98
61) 1,2-Dibromoethane	11.181	107	9200	20.636	ug/l	98
64) Tetrachloroethene	10.810	164	12300	19.443	ug/l	91
65) Chlorobenzene	11.610	112	34915	19.077	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.681	131	12982	19.589	ug/l	98
67) Ethyl Benzene	11.687	91	64886	19.289	ug/l	98
68) m/p-Xylenes	11.793	106	51562	39.650	ug/l	96
69) o-Xylene	12.122	106	22585	19.054	ug/l	94
70) Styrene	12.140	104	39810	19.987	ug/l	98
71) Bromoform	12.304	173	6786	19.965	ug/l #	98
73) Isopropylbenzene	12.422	105	61818	19.078	ug/l	98
74) N-amyl acetate	12.240	43	13268	18.882	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.675	83	10758	19.663	ug/l	96
76) 1,2,3-Trichloropropane	12.722	75	7632m	19.888	ug/l	
77) Bromobenzene	12.704	156	13914	19.099	ug/l	97
78) n-propylbenzene	12.769	91	78678	19.292	ug/l	100
79) 2-Chlorotoluene	12.851	91	42560	19.385	ug/l	97
80) 1,3,5-Trimethylbenzene	12.910	105	52541	19.383	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.475	75	2117	19.237	ug/l #	89
82) 4-Chlorotoluene	12.951	91	45681	19.794	ug/l	100
83) tert-Butylbenzene	13.169	119	45509	19.368	ug/l	99
84) 1,2,4-Trimethylbenzene	13.216	105	52137	19.496	ug/l	99
85) sec-Butylbenzene	13.345	105	68373	19.136	ug/l	99
86) p-Isopropyltoluene	13.463	119	56687	19.281	ug/l	99
87) 1,3-Dichlorobenzene	13.463	146	29494	19.257	ug/l	99
88) 1,4-Dichlorobenzene	13.545	146	29420	19.959	ug/l	98
89) n-Butylbenzene	13.793	91	55638	19.555	ug/l	100
90) Hexachloroethane	14.057	117	11817	20.226	ug/l	96
91) 1,2-Dichlorobenzene	13.834	146	25192	20.068	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.457	75	1617	20.869	ug/l	96
93) 1,2,4-Trichlorobenzene	15.104	180	15291	19.714	ug/l	96
94) Hexachlorobutadiene	15.210	225	8890	20.485	ug/l	95
95) Naphthalene	15.334	128	26374	19.201	ug/l	100
96) 1,2,3-Trichlorobenzene	15.528	180	12578	18.958	ug/l	98

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

