

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD011823\
 Data File : VD075126.D
 Acq On : 18 Jan 2023 11:48
 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 01/19/2023
 Supervised By :Mahesh Dadoda 01/19/2023

Quant Time: Jan 19 01:08:55 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D011823S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 19 01:06:43 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.881	168	97655	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	173869	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	151068	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	66779	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	19557	19.619	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	39.240%#		
35) Dibromofluoromethane	7.810	113	20920	19.763	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	39.520%#		
50) Toluene-d8	10.269	98	80097	19.456	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	38.920%#		
62) 4-Bromofluorobenzene	12.575	95	25223	19.405	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	38.800%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.934	85	20224	23.692	ug/l	90
3) Chloromethane	2.146	50	26791	20.999	ug/l	95
4) Vinyl Chloride	2.281	62	28452	20.940	ug/l	96
5) Bromomethane	2.681	94	18009	19.253	ug/l	96
6) Chloroethane	2.834	64	19018	20.372	ug/l	99
7) Trichlorofluoromethane	3.175	101	35188	20.588	ug/l	97
8) Diethyl Ether	3.587	74	10941	19.920	ug/l	96
9) 1,1,2-Trichlorotrifluo...	3.969	101	22619	21.154	ug/l	98
10) Methyl Iodide	4.169	142	28820	20.367	ug/l	96
11) Tert butyl alcohol	5.052	59	7576	106.152	ug/l #	89
12) 1,1-Dichloroethene	3.940	96	23260	20.792	ug/l	98
13) Acrolein	3.799	56	7986	116.569	ug/l	90
14) Allyl chloride	4.563	41	36228	20.322	ug/l	98
15) Acrylonitrile	5.252	53	22842	95.889	ug/l	97
16) Acetone	4.022	43	24547	91.988	ug/l	94
17) Carbon Disulfide	4.275	76	75848	20.930	ug/l	98
18) Methyl Acetate	4.563	43	13798	19.156	ug/l	100
19) Methyl tert-butyl Ether	5.316	73	45461	19.355	ug/l	94
20) Methylene Chloride	4.805	84	35574	20.861	ug/l	89
21) trans-1,2-Dichloroethene	5.310	96	24640	20.076	ug/l	95
22) Diisopropyl ether	6.216	45	67604	20.066	ug/l	96
23) Vinyl Acetate	6.157	43	146013	99.776	ug/l	99
24) 1,1-Dichloroethane	6.116	63	42318	19.952	ug/l	97
25) 2-Butanone	7.081	43	29283	91.437	ug/l	97
26) 2,2-Dichloropropane	7.075	77	38033	20.366	ug/l	98
27) cis-1,2-Dichloroethene	7.081	96	27625	20.284	ug/l	99
28) Bromochloromethane	7.428	49	12498	21.527	ug/l	100
29) Tetrahydrofuran	7.446	42	17632	96.573	ug/l	100
30) Chloroform	7.598	83	41672	19.763	ug/l	93
31) Cyclohexane	7.875	56	40994	20.718	ug/l	94
32) 1,1,1-Trichloroethane	7.798	97	36156	19.733	ug/l	99
36) 1,1-Dichloropropene	8.010	75	33448	19.805	ug/l	99
37) Ethyl Acetate	7.163	43	13378	19.317	ug/l	97
38) Carbon Tetrachloride	7.993	117	28083	20.028	ug/l	95
39) Methylcyclohexane	9.275	83	41652	20.117	ug/l	90
40) Benzene	8.251	78	95163	19.839	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.399	41	7348	17.611	ug/l	94
42) 1,2-Dichloroethane	8.328	62	24353	19.159	ug/l	98
43) Isopropyl Acetate	8.363	43	24605	18.589	ug/l	99
44) Trichloroethene	9.028	130	25948	19.364	ug/l	92
45) 1,2-Dichloropropane	9.310	63	22483	19.051	ug/l	95
46) Dibromomethane	9.398	93	12135	19.224	ug/l	94
47) Bromodichloromethane	9.587	83	28974	18.727	ug/l	96
48) Methyl methacrylate	9.381	41	12086	18.780	ug/l	96
49) 1,4-Dioxane	9.393	88	2228	374.090	ug/l	93
51) 4-Methyl-2-Pentanone	10.157	43	59740	93.254	ug/l	99
52) Toluene	10.334	92	60120	19.935	ug/l	98
53) t-1,3-Dichloropropene	10.551	75	27773	18.983	ug/l	93
54) cis-1,3-Dichloropropene	10.016	75	34838	19.413	ug/l	98
55) 1,1,2-Trichloroethane	10.734	97	15900	19.459	ug/l	95
56) Ethyl methacrylate	10.598	69	19109	18.906	ug/l	99
57) 1,3-Dichloropropane	10.881	76	27223	19.076	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.869	63	33954	100.481	ug/l	99
59) 2-Hexanone	10.922	43	42633	91.767	ug/l	99
60) Dibromochloromethane	11.075	129	18253	18.266	ug/l	97
61) 1,2-Dibromoethane	11.187	107	15395	19.488	ug/l	98
64) Tetrachloroethene	10.816	164	21658	19.997	ug/l	93
65) Chlorobenzene	11.610	112	60701	19.871	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.687	131	20272	19.595	ug/l	96
67) Ethyl Benzene	11.687	91	112112	20.112	ug/l	99
68) m/p-Xylenes	11.792	106	87264	40.626	ug/l	98
69) o-Xylene	12.122	106	39955	19.752	ug/l	98
70) Styrene	12.139	104	66595	19.676	ug/l	98
71) Bromoform	12.304	173	10016	18.379	ug/l #	99
73) Isopropylbenzene	12.422	105	106155	20.312	ug/l	99
74) N-amyl acetate	12.239	43	22227	19.350	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.681	83	16721	19.636	ug/l	99
76) 1,2,3-Trichloropropane	12.728	75	10444m	16.580	ug/l	
77) Bromobenzene	12.704	156	24212	20.397	ug/l	99
78) n-propylbenzene	12.769	91	132084	20.374	ug/l	99
79) 2-Chlorotoluene	12.851	91	72024	20.260	ug/l	99
80) 1,3,5-Trimethylbenzene	12.904	105	86402	20.115	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.475	75	4542	18.854	ug/l	97
82) 4-Chlorotoluene	12.951	91	73509	19.968	ug/l	100
83) tert-Butylbenzene	13.169	119	77679	20.769	ug/l	96
84) 1,2,4-Trimethylbenzene	13.216	105	86221	20.478	ug/l	99
85) sec-Butylbenzene	13.351	105	115114	20.356	ug/l	98
86) p-Isopropyltoluene	13.463	119	93915	20.207	ug/l	99
87) 1,3-Dichlorobenzene	13.463	146	47634	20.292	ug/l	98
88) 1,4-Dichlorobenzene	13.539	146	45405	19.883	ug/l	97
89) n-Butylbenzene	13.792	91	90253	20.015	ug/l	99
90) Hexachloroethane	14.057	117	15939	19.736	ug/l	98
91) 1,2-Dichlorobenzene	13.833	146	40466	20.223	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.451	75	2548	19.738	ug/l	98
93) 1,2,4-Trichlorobenzene	15.104	180	24928	19.214	ug/l	97
94) Hexachlorobutadiene	15.210	225	12670	19.786	ug/l	97
95) Naphthalene	15.339	128	48699	18.907	ug/l	100
96) 1,2,3-Trichlorobenzene	15.522	180	21906	19.487	ug/l	97

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

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