

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD061223\
 Data File : VD076390.D
 Acq On : 12 Jun 2023 13:18
 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 06/13/2023
 Supervised By :Mahesh Dadoda 06/13/2023

Quant Time: Jun 13 01:46:39 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D061223S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 13 01:45:10 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.869	168	314056	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.775	114	555190	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	501861	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	240983	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	75900	20.924	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	41.840%	#	
35) Dibromofluoromethane	7.805	113	71200	19.842	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	39.680%	#	
50) Toluene-d8	10.269	98	271095	19.936	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	39.880%	#	
62) 4-Bromofluorobenzene	12.575	95	93819	20.112	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	40.220%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.928	85	53153	18.949	ug/l	93
3) Chloromethane	2.146	50	107045	20.154	ug/l	99
4) Vinyl Chloride	2.275	62	95893	18.868	ug/l	97
5) Bromomethane	2.670	94	48689	18.283	ug/l	100
6) Chloroethane	2.822	64	59912	19.576	ug/l	97
7) Trichlorofluoromethane	3.164	101	93678	18.317	ug/l	99
8) Diethyl Ether	3.593	74	36778	20.017	ug/l	63
9) 1,1,2-Trichlorotrifluo...	3.958	101	57039	18.549	ug/l	97
10) Methyl Iodide	4.158	142	76653	19.385	ug/l	92
11) Tert butyl alcohol	5.052	59	31494	103.858	ug/l	98
12) 1,1-Dichloroethene	3.928	96	58910	18.785	ug/l	# 74
13) Acrolein	3.799	56	39011	112.154	ug/l	97
14) Allyl chloride	4.558	41	120798	19.696	ug/l	# 85
15) Acrylonitrile	5.252	53	92182	98.606	ug/l	98
16) Acetone	4.016	43	74588	93.535	ug/l	# 76
17) Carbon Disulfide	4.264	76	166477	18.476	ug/l	98
18) Methyl Acetate	4.564	43	73859	20.315	ug/l	# 81
19) Methyl tert-butyl Ether	5.316	73	179286	20.604	ug/l	96
20) Methylene Chloride	4.799	84	104066	21.206	ug/l	# 80
21) trans-1,2-Dichloroethene	5.305	96	71862	19.719	ug/l	# 79
22) Diisopropyl ether	6.216	45	251528	20.146	ug/l	# 92
23) Vinyl Acetate	6.152	43	531573m	99.130	ug/l	
24) 1,1-Dichloroethane	6.105	63	139245	20.065	ug/l	97
25) 2-Butanone	7.081	43	121269	97.232	ug/l	# 73
26) 2,2-Dichloropropane	7.069	77	118974	19.040	ug/l	94
27) cis-1,2-Dichloroethene	7.069	96	87632	20.199	ug/l	83
28) Bromochloromethane	7.422	49	45803	21.472	ug/l	# 72
29) Tetrahydrofuran	7.446	42	79394	99.778	ug/l	# 78
30) Chloroform	7.599	83	139665	20.192	ug/l	95
31) Cyclohexane	7.875	56	104077	17.932	ug/l	86
32) 1,1,1-Trichloroethane	7.793	97	114035	19.305	ug/l	98
36) 1,1-Dichloropropene	8.005	75	98068	18.725	ug/l	95
37) Ethyl Acetate	7.163	43	53845	19.546	ug/l	95
38) Carbon Tetrachloride	7.987	117	90473	18.606	ug/l	95
39) Methylcyclohexane	9.275	83	104305	17.296	ug/l	# 86
40) Benzene	8.246	78	297540	19.541	ug/l	100

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41) Methacrylonitrile	7.393	41	37307	21.169	ug/l #	72
42) 1,2-Dichloroethane	8.322	62	88731	19.570	ug/l	92
43) Isopropyl Acetate	8.363	43	110692	19.165	ug/l #	84
44) Trichloroethene	9.028	130	79683	19.305	ug/l	88
45) 1,2-Dichloropropane	9.304	63	80075	19.787	ug/l	98
46) Dibromomethane	9.393	93	42905	19.211	ug/l	95
47) Bromodichloromethane	9.581	83	109334	19.763	ug/l	100
48) Methyl methacrylate	9.381	41	52405	18.931	ug/l #	67
49) 1,4-Dioxane	9.381	88	11008	415.435	ug/l #	78
51) 4-Methyl-2-Pentanone	10.157	43	280694	97.848	ug/l #	83
52) Toluene	10.334	92	185850	19.308	ug/l	97
53) t-1,3-Dichloropropene	10.551	75	113180	20.002	ug/l	99
54) cis-1,3-Dichloropropene	10.016	75	127745	19.631	ug/l #	74
55) 1,1,2-Trichloroethane	10.734	97	58015	19.448	ug/l	96
56) Ethyl methacrylate	10.598	69	80878	19.523	ug/l #	67
57) 1,3-Dichloropropane	10.881	76	103553	19.955	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.869	63	174352	103.323	ug/l	91
59) 2-Hexanone	10.922	43	195650	97.298	ug/l	80
60) Dibromochloromethane	11.075	129	72424	19.622	ug/l	96
61) 1,2-Dibromoethane	11.181	107	55932	19.326	ug/l	99
64) Tetrachloroethene	10.810	164	64901	18.837	ug/l	94
65) Chlorobenzene	11.610	112	202762	19.491	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.681	131	74185	19.072	ug/l	97
67) Ethyl Benzene	11.681	91	367019	19.156	ug/l	95
68) m/p-Xylenes	11.793	106	272757	37.625	ug/l	86
69) o-Xylene	12.122	106	133178	19.124	ug/l	87
70) Styrene	12.134	104	227171	19.120	ug/l #	93
71) Bromoform	12.298	173	44503	19.616	ug/l #	99
73) Isopropylbenzene	12.422	105	340978	18.710	ug/l	97
74) N-amyl acetate	12.234	43	110378	19.860	ug/l #	80
75) 1,1,2,2-Tetrachloroethane	12.675	83	68490	19.031	ug/l	97
76) 1,2,3-Trichloropropane	12.728	75	40980m	17.608	ug/l	
77) Bromobenzene	12.704	156	82217	19.121	ug/l	82
78) n-propylbenzene	12.763	91	414946	18.679	ug/l	96
79) 2-Chlorotoluene	12.851	91	240988	19.171	ug/l	93
80) 1,3,5-Trimethylbenzene	12.904	105	286430	18.830	ug/l	95
81) trans-1,4-Dichloro-2-b...	12.469	75	24306	19.317	ug/l	89
82) 4-Chlorotoluene	12.945	91	250756	19.049	ug/l	92
83) tert-Butylbenzene	13.169	119	241873	18.529	ug/l	93
84) 1,2,4-Trimethylbenzene	13.216	105	283797	18.883	ug/l	94
85) sec-Butylbenzene	13.345	105	356405	18.550	ug/l	98
86) p-Isopropyltoluene	13.463	119	298554	18.454	ug/l	96
87) 1,3-Dichlorobenzene	13.463	146	160856	19.330	ug/l	95
88) 1,4-Dichlorobenzene	13.540	146	156113	18.983	ug/l	95
89) n-Butylbenzene	13.787	91	287673	18.507	ug/l	98
90) Hexachloroethane	14.057	117	56997	19.091	ug/l	96
91) 1,2-Dichlorobenzene	13.834	146	141346	19.313	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	14.445	75	11492	19.439	ug/l	90
93) 1,2,4-Trichlorobenzene	15.104	180	93667	19.122	ug/l	97
94) Hexachlorobutadiene	15.204	225	45352	18.404	ug/l	98
95) Naphthalene	15.334	128	186947	19.006	ug/l	98
96) 1,2,3-Trichlorobenzene	15.522	180	81499	19.264	ug/l	97

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

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