

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD101123\
 Data File : VD077310.D
 Acq On : 11 Oct 2023 17:11
 Operator : JC/SY
 Sample : VSTDICC020
 Misc : 5.00G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC020

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 10/16/2023
 Supervised By :Semsettin Yesilyurt 10/16/2023

Quant Time: Oct 12 08:58:09 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D101123S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 12 04:48:21 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	255887	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	462515	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	434480	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	201002	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	40831	19.944	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	39.880%#		
35) Dibromofluoromethane	7.804	113	51518	20.967	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	41.940%#		
50) Toluene-d8	10.269	98	164080	20.311	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	40.620%#		
62) 4-Bromofluorobenzene	12.575	95	56111	20.681	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	41.360%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.928	85	47381	19.933	ug/l	98
3) Chloromethane	2.146	50	76319	20.275	ug/l	97
4) Vinyl Chloride	2.281	62	81738	19.904	ug/l	98
5) Bromomethane	2.675	94	52407	18.146	ug/l	99
6) Chloroethane	2.828	64	53448	19.716	ug/l	95
7) Trichlorofluoromethane	3.175	101	78117	18.394	ug/l	91
8) Diethyl Ether	3.593	74	28410	19.194	ug/l	80
9) 1,1,2-Trichlorotrifluo...	3.957	101	60181	19.682	ug/l	95
10) Methyl Iodide	4.157	142	69257	18.336	ug/l #	90
11) Tert butyl alcohol	5.057	59	15253	98.435	ug/l	98
12) 1,1-Dichloroethene	3.934	96	54419	18.432	ug/l	88
13) Acrolein	3.793	56	9878	54.668	ug/l	99
14) Allyl chloride	4.563	41	76497	18.842	ug/l #	91
15) Acrylonitrile	5.246	53	69431	95.291	ug/l	97
16) Acetone	4.016	43	60255	95.108	ug/l	89
17) Carbon Disulfide	4.263	76	158596	17.800	ug/l	99
18) Methyl Acetate	4.557	43	47581	18.894	ug/l	90
19) Methyl tert-butyl Ether	5.316	73	122781	18.633	ug/l	97
20) Methylene Chloride	4.793	84	100458	15.112	ug/l #	88
21) trans-1,2-Dichloroethene	5.310	96	64916	18.413	ug/l #	83
22) Diisopropyl ether	6.210	45	177080	19.256	ug/l	95
23) Vinyl Acetate	6.151	43	399462m	92.689	ug/l	
24) 1,1-Dichloroethane	6.116	63	115260	18.849	ug/l	96
25) 2-Butanone	7.081	43	81604	96.691	ug/l #	87
26) 2,2-Dichloropropane	7.069	77	92425	18.797	ug/l	97
27) cis-1,2-Dichloroethene	7.075	96	72112	18.273	ug/l	91
28) Bromochloromethane	7.422	49	45929	18.976	ug/l #	74
29) Tetrahydrofuran	7.445	42	48247	95.821	ug/l #	84
30) Chloroform	7.593	83	119768	19.114	ug/l	93
31) Cyclohexane	7.875	56	90165	18.545	ug/l	97
32) 1,1,1-Trichloroethane	7.793	97	96703	19.246	ug/l	99
36) 1,1-Dichloropropene	8.004	75	85627	19.224	ug/l	97
37) Ethyl Acetate	7.169	43	36080	19.308	ug/l	97
38) Carbon Tetrachloride	7.992	117	79396	19.650	ug/l	93
39) Methylcyclohexane	9.275	83	93506	18.628	ug/l	92
40) Benzene	8.251	78	258929	18.842	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.398	41	19244	19.066	ug/l	94
42) 1,2-Dichloroethane	8.322	62	63103	19.104	ug/l	97
43) Isopropyl Acetate	8.357	43	62938	19.006	ug/l	95
44) Trichloroethene	9.028	130	64046	19.019	ug/l	92
45) 1,2-Dichloropropane	9.298	63	67873	19.204	ug/l	91
46) Dibromomethane	9.398	93	37635	20.315	ug/l #	85
47) Bromodichloromethane	9.581	83	90046	19.825	ug/l	94
48) Methyl methacrylate	9.375	41	31084	20.377	ug/l #	77
49) 1,4-Dioxane	9.381	88	7142	372.951	ug/l #	87
51) 4-Methyl-2-Pentanone	10.157	43	171581	99.137	ug/l	91
52) Toluene	10.334	92	162206	19.340	ug/l	98
53) t-1,3-Dichloropropene	10.551	75	80636	18.935	ug/l	98
54) cis-1,3-Dichloropropene	10.016	75	101324	19.185	ug/l #	93
55) 1,1,2-Trichloroethane	10.734	97	49249	19.560	ug/l	91
56) Ethyl methacrylate	10.598	69	56581	18.776	ug/l	93
57) 1,3-Dichloropropane	10.881	76	84685	19.477	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.869	63	137557	93.982	ug/l	92
59) 2-Hexanone	10.922	43	121054	98.900	ug/l	90
60) Dibromochloromethane	11.075	129	57779	20.092	ug/l	99
61) 1,2-Dibromoethane	11.175	107	45053	19.603	ug/l	99
64) Tetrachloroethene	10.810	164	51792	18.672	ug/l	96
65) Chlorobenzene	11.604	112	173945	19.251	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.681	131	60593	19.011	ug/l	98
67) Ethyl Benzene	11.681	91	303557	18.825	ug/l	96
68) m/p-Xylenes	11.792	106	237483	38.267	ug/l	90
69) o-Xylene	12.122	106	107378	18.694	ug/l	91
70) Styrene	12.133	104	190737	19.163	ug/l	97
71) Bromoform	12.298	173	31659	19.571	ug/l #	97
73) Isopropylbenzene	12.422	105	279027	18.796	ug/l	96
74) N-amyl acetate	12.233	43	58774	18.829	ug/l	91
75) 1,1,2,2-Tetrachloroethane	12.669	83	57767	19.391	ug/l	99
76) 1,2,3-Trichloropropane	12.728	75	39164m	17.735	ug/l	
77) Bromobenzene	12.698	156	65056	19.155	ug/l	85
78) n-propylbenzene	12.763	91	358437	19.042	ug/l	94
79) 2-Chlorotoluene	12.851	91	194937	19.209	ug/l	94
80) 1,3,5-Trimethylbenzene	12.904	105	239561	19.366	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.469	75	17922	19.350	ug/l	99
82) 4-Chlorotoluene	12.945	91	205346	19.153	ug/l	94
83) tert-Butylbenzene	13.169	119	195320	18.903	ug/l	96
84) 1,2,4-Trimethylbenzene	13.210	105	236413	19.079	ug/l	95
85) sec-Butylbenzene	13.345	105	306101	18.997	ug/l	95
86) p-Isopropyltoluene	13.463	119	252682	19.087	ug/l	96
87) 1,3-Dichlorobenzene	13.457	146	136652	19.185	ug/l	97
88) 1,4-Dichlorobenzene	13.539	146	135062	19.197	ug/l	97
89) n-Butylbenzene	13.786	91	245074	18.934	ug/l	96
90) Hexachloroethane	14.051	117	48771	18.685	ug/l	86
91) 1,2-Dichlorobenzene	13.833	146	117857	19.147	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	14.451	75	7182	18.421	ug/l	99
93) 1,2,4-Trichlorobenzene	15.098	180	67596	18.207	ug/l	96
94) Hexachlorobutadiene	15.204	225	33710	18.162	ug/l	99
95) Naphthalene	15.333	128	126658	17.594	ug/l	98
96) 1,2,3-Trichlorobenzene	15.522	180	60372	18.401	ug/l	99

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

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