

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD091823\
 Data File : VD077121.D
 Acq On : 18 Sep 2023 10:45
 Operator : JC/SY
 Sample : VSTDICC010
 Misc : 5.00G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC010

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 09/19/2023
 Supervised By :Mahesh Dadoda 09/19/2023

Quant Time: Sep 19 03:47:35 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D091823S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 19 03:32:44 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	213564	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	367947	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	344285	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	176380	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	22927	10.637	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	21.280%#		
35) Dibromofluoromethane	7.805	113	25394	9.936	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	19.880%#		
50) Toluene-d8	10.269	98	88245	9.701	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	19.400%#		
62) 4-Bromofluorobenzene	12.575	95	26590	9.431	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	18.860%#		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.928	85	26262	11.899	ug/l	99
3) Chloromethane	2.146	50	46736	11.456	ug/l	99
4) Vinyl Chloride	2.281	62	44816	10.269	ug/l	98
5) Bromomethane	2.693	94	28957	9.110	ug/l	99
6) Chloroethane	2.834	64	24623	9.068	ug/l	96
7) Trichlorofluoromethane	3.175	101	34160	8.660	ug/l	97
8) Diethyl Ether	3.587	74	13160	10.337	ug/l	94
9) 1,1,2-Trichlorotrifluo...	3.969	101	27370	11.098	ug/l	98
10) Methyl Iodide	4.164	142	35643	10.112	ug/l #	87
11) Tert butyl alcohol	5.052	59	6349	51.666	ug/l #	73
12) 1,1-Dichloroethene	3.934	96	26312	10.591	ug/l	98
13) Acrolein	3.799	56	6144	46.983	ug/l	92
14) Allyl chloride	4.564	41	29777	9.824	ug/l	94
15) Acrylonitrile	5.258	53	26121	48.931	ug/l	95
16) Acetone	4.017	43	24424	49.582	ug/l	88
17) Carbon Disulfide	4.269	76	87744	10.729	ug/l	96
18) Methyl Acetate	4.569	43	18119	9.727	ug/l	94
19) Methyl tert-butyl Ether	5.322	73	50876	9.464	ug/l	91
20) Methylene Chloride	4.793	84	54713	12.421	ug/l	90
21) trans-1,2-Dichloroethene	5.316	96	30942	10.303	ug/l	97
22) Diisopropyl ether	6.216	45	68187	9.950	ug/l	91
23) Vinyl Acetate	6.152	43	135602m	48.999	ug/l	
24) 1,1-Dichloroethane	6.105	63	52428	10.659	ug/l	95
25) 2-Butanone	7.081	43	31131	48.036	ug/l #	85
26) 2,2-Dichloropropane	7.075	77	43377	10.389	ug/l	98
27) cis-1,2-Dichloroethene	7.081	96	32783	9.710	ug/l	93
28) Bromochloromethane	7.422	49	15717	10.406	ug/l	90
29) Tetrahydrofuran	7.446	42	18084	47.733	ug/l	90
30) Chloroform	7.599	83	56573	10.672	ug/l	90
31) Cyclohexane	7.875	56	39672	10.521	ug/l	95
32) 1,1,1-Trichloroethane	7.793	97	45688	10.325	ug/l	98
36) 1,1-Dichloropropene	8.005	75	38278	9.945	ug/l	98
37) Ethyl Acetate	7.169	43	13610	9.216	ug/l #	95
38) Carbon Tetrachloride	7.993	117	39279	10.383	ug/l	92
39) Methylcyclohexane	9.275	83	44030	9.942	ug/l	97
40) Benzene	8.252	78	117977	9.907	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.393	41	8227	10.438	ug/l #	83
42) 1,2-Dichloroethane	8.328	62	30601	10.365	ug/l	98
43) Isopropyl Acetate	8.357	43	25910	9.530	ug/l #	81
44) Trichloroethene	9.028	130	34173	10.368	ug/l	95
45) 1,2-Dichloropropane	9.310	63	29800	10.303	ug/l	99
46) Dibromomethane	9.399	93	17245	10.260	ug/l	95
47) Bromodichloromethane	9.581	83	41610	10.245	ug/l	99
48) Methyl methacrylate	9.381	41	11783	9.525	ug/l	86
49) 1,4-Dioxane	9.393	88	3237	213.363	ug/l #	87
51) 4-Methyl-2-Pentanone	10.157	43	66496	46.764	ug/l	89
52) Toluene	10.334	92	74525	9.783	ug/l	96
53) t-1,3-Dichloropropene	10.551	75	36598	9.645	ug/l	100
54) cis-1,3-Dichloropropene	10.016	75	44824	9.860	ug/l	98
55) 1,1,2-Trichloroethane	10.734	97	23233	10.163	ug/l	92
56) Ethyl methacrylate	10.599	69	21798	8.875	ug/l	89
57) 1,3-Dichloropropane	10.881	76	36476	9.856	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.869	63	34425	51.360	ug/l	100
59) 2-Hexanone	10.922	43	45353	44.453	ug/l	88
60) Dibromochloromethane	11.075	129	28494	10.177	ug/l	100
61) 1,2-Dibromoethane	11.181	107	23090	10.448	ug/l	95
64) Tetrachloroethene	10.816	164	27533	10.279	ug/l	95
65) Chlorobenzene	11.610	112	82164	10.145	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.681	131	29555	9.975	ug/l	97
67) Ethyl Benzene	11.681	91	131541	9.449	ug/l	96
68) m/p-Xylenes	11.793	106	105863	18.993	ug/l	90
69) o-Xylene	12.122	106	48371	9.455	ug/l	93
70) Styrene	12.140	104	81562	9.358	ug/l	97
71) Bromoform	12.298	173	16810	10.235	ug/l #	99
73) Isopropylbenzene	12.422	105	125454	9.626	ug/l	94
74) N-amyl acetate	12.234	43	23206	9.479	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.675	83	24429	9.933	ug/l	98
76) 1,2,3-Trichloropropane	12.722	75	13191m	9.060	ug/l	
77) Bromobenzene	12.704	156	33491	10.320	ug/l	98
78) n-propylbenzene	12.763	91	154956	9.727	ug/l	98
79) 2-Chlorotoluene	12.851	91	87557	9.967	ug/l	95
80) 1,3,5-Trimethylbenzene	12.904	105	104377	9.590	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.463	75	7123	9.583	ug/l	93
82) 4-Chlorotoluene	12.951	91	89594	9.704	ug/l	98
83) tert-Butylbenzene	13.169	119	89084	9.580	ug/l	99
84) 1,2,4-Trimethylbenzene	13.216	105	105995	9.604	ug/l	94
85) sec-Butylbenzene	13.345	105	133356	9.557	ug/l	96
86) p-Isopropyltoluene	13.463	119	111787	9.443	ug/l	97
87) 1,3-Dichlorobenzene	13.457	146	66567	9.974	ug/l	98
88) 1,4-Dichlorobenzene	13.540	146	67360	10.258	ug/l	96
89) n-Butylbenzene	13.787	91	104109	9.534	ug/l	96
90) Hexachloroethane	14.051	117	24160	10.291	ug/l	98
91) 1,2-Dichlorobenzene	13.834	146	58154	10.163	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.445	75	3369	10.259	ug/l	94
93) 1,2,4-Trichlorobenzene	15.104	180	33618	9.523	ug/l	98
94) Hexachlorobutadiene	15.204	225	18787	10.042	ug/l	98
95) Naphthalene	15.334	128	58839	9.089	ug/l #	93
96) 1,2,3-Trichlorobenzene	15.528	180	30125	9.600	ug/l	96

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

