

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD091823\
 Data File : VD077122.D
 Acq On : 18 Sep 2023 11:12
 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 : Semsettin Yesilyurt 09/19/2023
 Supervised By : Mahesh Dadoda 09/19/2023

Quant Time: Sep 19 03:48:38 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	212759	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	360421	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	342344	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	174776	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	42663	19.869	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	39.740%#		
35) Dibromofluoromethane	7.805	113	51360	20.516	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	41.040%#		
50) Toluene-d8	10.269	98	180740	20.283	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	40.560%#		
62) 4-Bromofluorobenzene	12.575	95	57358	20.768	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	41.540%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.928	85	50051	22.764	ug/l	96
3) Chloromethane	2.146	50	92283	22.706	ug/l	99
4) Vinyl Chloride	2.281	62	98918	22.752	ug/l	97
5) Bromomethane	2.681	94	69551	21.965	ug/l	96
6) Chloroethane	2.828	64	66220	24.478	ug/l	99
7) Trichlorofluoromethane	3.170	101	91483	23.280	ug/l	97
8) Diethyl Ether	3.587	74	25354	19.991	ug/l	87
9) 1,1,2-Trichlorotrifluo...	3.964	101	51194	20.837	ug/l	96
10) Methyl Iodide	4.158	142	75662	21.546	ug/l	92
11) Tert butyl alcohol	5.064	59	11674m	95.358	ug/l	
12) 1,1-Dichloroethene	3.934	96	50646	20.463	ug/l	87
13) Acrolein	3.799	56	12997	147.360	ug/l	98
14) Allyl chloride	4.564	41	61535	20.378	ug/l	93
15) Acrylonitrile	5.246	53	53906	101.360	ug/l	99
16) Acetone	4.022	43	47217	96.215	ug/l	88
17) Carbon Disulfide	4.270	76	175119	21.493	ug/l #	95
18) Methyl Acetate	4.564	43	37756	20.346	ug/l	91
19) Methyl tert-butyl Ether	5.311	73	105456	19.691	ug/l	97
20) Methylene Chloride	4.805	84	79593	21.472	ug/l	91
21) trans-1,2-Dichloroethene	5.317	96	61249	20.472	ug/l	95
22) Diisopropyl ether	6.216	45	138404	20.272	ug/l	97
23) Vinyl Acetate	6.152	43	259031m	93.953	ug/l	
24) 1,1-Dichloroethane	6.111	63	101591	20.732	ug/l	98
25) 2-Butanone	7.081	43	61419	95.131	ug/l	93
26) 2,2-Dichloropropane	7.081	77	84511	20.318	ug/l	99
27) cis-1,2-Dichloroethene	7.081	96	70708	21.023	ug/l	99
28) Bromochloromethane	7.428	49	31321	20.816	ug/l	88
29) Tetrahydrofuran	7.446	42	36152	95.786	ug/l	91
30) Chloroform	7.593	83	111484	21.110	ug/l	88
31) Cyclohexane	7.881	56	77886	20.734	ug/l	92
32) 1,1,1-Trichloroethane	7.793	97	92702	21.030	ug/l	99
36) 1,1-Dichloropropene	8.011	75	79361	21.049	ug/l	97
37) Ethyl Acetate	7.175	43	28973	20.030	ug/l #	73
38) Carbon Tetrachloride	7.993	117	76730	20.706	ug/l	95
39) Methylcyclohexane	9.275	83	88265	20.347	ug/l	98
40) Benzene	8.252	78	244056	20.923	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.405	41	16822	21.788	ug/l	89
42) 1,2-Dichloroethane	8.328	62	59798	20.677	ug/l	97
43) Isopropyl Acetate	8.363	43	51858	19.472	ug/l	94
44) Trichloroethene	9.028	130	67188	20.811	ug/l	96
45) 1,2-Dichloropropane	9.305	63	57320	20.231	ug/l	94
46) Dibromomethane	9.393	93	34032	20.671	ug/l	93
47) Bromodichloromethane	9.581	83	81353	20.448	ug/l #	93
48) Methyl methacrylate	9.381	41	24813	20.477	ug/l	83
49) 1,4-Dioxane	9.393	88	5394	362.963	ug/l #	82
51) 4-Methyl-2-Pentanone	10.157	43	134733	96.731	ug/l	91
52) Toluene	10.334	92	154200	20.664	ug/l	95
53) t-1,3-Dichloropropene	10.552	75	75272	20.251	ug/l	95
54) cis-1,3-Dichloropropene	10.016	75	91302	20.502	ug/l #	89
55) 1,1,2-Trichloroethane	10.734	97	45550	20.341	ug/l #	93
56) Ethyl methacrylate	10.599	69	46754	19.434	ug/l	91
57) 1,3-Dichloropropane	10.881	76	73519	20.281	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.875	63	70930	78.296	ug/l	97
59) 2-Hexanone	10.922	43	94264	94.323	ug/l	89
60) Dibromochloromethane	11.075	129	55370	20.188	ug/l	96
61) 1,2-Dibromoethane	11.181	107	43623	20.151	ug/l	97
64) Tetrachloroethene	10.810	164	56753	21.307	ug/l	96
65) Chlorobenzene	11.604	112	164560	20.434	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.681	131	59649	20.245	ug/l	98
67) Ethyl Benzene	11.687	91	284295	20.538	ug/l	96
68) m/p-Xylenes	11.793	106	230026	41.502	ug/l	95
69) o-Xylene	12.122	106	103449	20.335	ug/l	95
70) Styrene	12.134	104	175845	20.289	ug/l	97
71) Bromoform	12.299	173	31661	19.386	ug/l #	100
73) Isopropylbenzene	12.422	105	264184	20.457	ug/l	98
74) N-amyl acetate	12.234	43	46664	19.236	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.675	83	48654	19.964	ug/l	100
76) 1,2,3-Trichloropropane	12.722	75	33453m	23.187	ug/l	
77) Bromobenzene	12.698	156	66134	20.566	ug/l	96
78) n-propylbenzene	12.763	91	330695	20.950	ug/l	97
79) 2-Chlorotoluene	12.851	91	177386	20.378	ug/l	98
80) 1,3,5-Trimethylbenzene	12.904	105	224990	20.861	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.469	75	14203	19.283	ug/l	95
82) 4-Chlorotoluene	12.946	91	194199	21.227	ug/l	95
83) tert-Butylbenzene	13.169	119	192239	20.863	ug/l	99
84) 1,2,4-Trimethylbenzene	13.216	105	224272	20.507	ug/l	95
85) sec-Butylbenzene	13.346	105	289412	20.931	ug/l	95
86) p-Isopropyltoluene	13.463	119	241085	20.553	ug/l	97
87) 1,3-Dichlorobenzene	13.457	146	133616	20.205	ug/l	98
88) 1,4-Dichlorobenzene	13.540	146	133721	20.552	ug/l	98
89) n-Butylbenzene	13.787	91	219665	20.300	ug/l	99
90) Hexachloroethane	14.057	117	48860	21.003	ug/l	93
91) 1,2-Dichlorobenzene	13.834	146	116509	20.548	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.451	75	6125	18.822	ug/l	83
93) 1,2,4-Trichlorobenzene	15.098	180	69695	19.923	ug/l	98
94) Hexachlorobutadiene	15.204	225	38245	20.631	ug/l	96
95) Naphthalene	15.334	128	122851	19.152	ug/l	99
96) 1,2,3-Trichlorobenzene	15.522	180	59208	19.042	ug/l	97

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

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