

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD092023\
 Data File : VD077170.D
 Acq On : 20 Sep 2023 17:37
 Operator : JC/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Sep 21 02:28:09 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D091823S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 19 04:46:37 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 09/21/2023
 Supervised By :Semsettin Yesilyurt 09/21/2023

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	199867	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	332669	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	338598	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	176041	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	99847	49.501	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	99.000%		
35) Dibromofluoromethane	7.805	113	116547	50.438	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	100.880%		
50) Toluene-d8	10.269	98	424925	51.664	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	103.320%		
62) 4-Bromofluorobenzene	12.575	95	141146	55.369	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	110.740%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.928	85	102229	49.494	ug/l	98
3) Chloromethane	2.146	50	209499	54.871	ug/l	100
4) Vinyl Chloride	2.281	62	235585	57.682	ug/l	99
5) Bromomethane	2.687	94	170330	57.261	ug/l	97
6) Chloroethane	2.828	64	153473	60.391	ug/l	99
7) Trichlorofluoromethane	3.170	101	206375	55.905	ug/l	95
8) Diethyl Ether	3.593	74	59861	50.243	ug/l	96
9) 1,1,2-Trichlorotrifluo...	3.964	101	121740	52.747	ug/l	99
10) Methyl Iodide	4.164	142	177838	53.910	ug/l #	90
11) Tert butyl alcohol	5.046	59	30826	268.041	ug/l #	90
12) 1,1-Dichloroethene	3.934	96	117869	50.695	ug/l	91
13) Acrolein	3.793	56	16436	211.776	ug/l	94
14) Allyl chloride	4.558	41	148825	52.465	ug/l	94
15) Acrylonitrile	5.252	53	131510	263.231	ug/l	97
16) Acetone	4.017	43	127588	276.758	ug/l #	85
17) Carbon Disulfide	4.264	76	379992	49.646	ug/l	97
18) Methyl Acetate	4.564	43	94314	54.102	ug/l	93
19) Methyl tert-butyl Ether	5.317	73	274492	54.559	ug/l	100
20) Methylene Chloride	4.799	84	174904	59.929	ug/l #	89
21) trans-1,2-Dichloroethene	5.311	96	147522	52.489	ug/l	98
22) Diisopropyl ether	6.216	45	348462	54.332	ug/l	97
23) Vinyl Acetate	6.152	43	710782	277.213	ug/l	94
24) 1,1-Dichloroethane	6.111	63	237765	51.652	ug/l	98
25) 2-Butanone	7.081	43	172444	284.324	ug/l	90
26) 2,2-Dichloropropane	7.075	77	219557	56.191	ug/l	96
27) cis-1,2-Dichloroethene	7.075	96	173532	54.923	ug/l	95
28) Bromochloromethane	7.422	49	73378	51.912	ug/l	91
29) Tetrahydrofuran	7.440	42	98612	278.128	ug/l	92
30) Chloroform	7.593	83	277979	56.033	ug/l	97
31) Cyclohexane	7.875	56	183704	52.058	ug/l	93
32) 1,1,1-Trichloroethane	7.793	97	231656	55.942	ug/l	98
36) 1,1-Dichloropropene	8.005	75	197954	56.885	ug/l	98
37) Ethyl Acetate	7.163	43	70074	52.485	ug/l	99
38) Carbon Tetrachloride	7.987	117	193274	56.508	ug/l	96
39) Methylcyclohexane	9.269	83	240214	59.994	ug/l	98
40) Benzene	8.246	78	594384	55.207	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.393	41	42522	59.670	ug/l	92
42) 1,2-Dichloroethane	8.322	62	147642	55.310	ug/l	99
43) Isopropyl Acetate	8.358	43	136382	55.480	ug/l	93
44) Trichloroethene	9.028	130	162069	54.388	ug/l	98
45) 1,2-Dichloropropane	9.299	63	171394	65.541	ug/l	96
46) Dibromomethane	9.393	93	86777	57.105	ug/l	97
47) Bromodichloromethane	9.581	83	211614	57.626	ug/l	96
48) Methyl methacrylate	9.375	41	67105	60.076	ug/l	86
49) 1,4-Dioxane	9.381	88	18420	1342.885	ug/l #	96
51) 4-Methyl-2-Pentanone	10.157	43	374431	291.246	ug/l	93
52) Toluene	10.334	92	393502	57.131	ug/l	96
53) t-1,3-Dichloropropene	10.552	75	213197	62.143	ug/l	100
54) cis-1,3-Dichloropropene	10.016	75	237783	57.850	ug/l #	94
55) 1,1,2-Trichloroethane	10.734	97	123568	59.786	ug/l	97
56) Ethyl methacrylate	10.599	69	138135	62.209	ug/l	94
57) 1,3-Dichloropropane	10.881	76	212725	63.578	ug/l #	87
58) 2-Chloroethyl Vinyl ether	9.869	63	306617	265.242	ug/l	99
59) 2-Hexanone	10.922	43	274818	297.929	ug/l	92
60) Dibromochloromethane	11.075	129	149613	59.100	ug/l	99
61) 1,2-Dibromoethane	11.181	107	113310	56.709	ug/l	99
64) Tetrachloroethene	10.810	164	142234	53.990	ug/l	98
65) Chlorobenzene	11.604	112	432199	54.260	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.681	131	159333	54.677	ug/l	99
67) Ethyl Benzene	11.681	91	821150	59.976	ug/l	96
68) m/p-Xylenes	11.793	106	618631	112.851	ug/l	93
69) o-Xylene	12.122	106	281690	55.985	ug/l	90
70) Styrene	12.134	104	494341	57.668	ug/l	97
71) Bromoform	12.299	173	91785	56.822	ug/l #	98
73) Isopropylbenzene	12.422	105	737299	56.682	ug/l	96
74) N-amyl acetate	12.234	43	137583	56.307	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.675	83	134885	54.949	ug/l	100
76) 1,2,3-Trichloropropane	12.722	75	95920m	68.308	ug/l	
77) Bromobenzene	12.698	156	180452	55.714	ug/l	94
78) n-propylbenzene	12.763	91	1070012	67.298	ug/l	98
79) 2-Chlorotoluene	12.851	91	483634	55.160	ug/l	98
80) 1,3,5-Trimethylbenzene	12.904	105	613868	56.508	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.469	75	38202	51.493	ug/l	87
82) 4-Chlorotoluene	12.946	91	511632	55.522	ug/l	95
83) tert-Butylbenzene	13.169	119	535420	57.689	ug/l	98
84) 1,2,4-Trimethylbenzene	13.210	105	639182	58.025	ug/l	95
85) sec-Butylbenzene	13.346	105	794512	57.048	ug/l	97
86) p-Isopropyltoluene	13.463	119	684490	57.935	ug/l	98
87) 1,3-Dichlorobenzene	13.457	146	363819	54.619	ug/l	98
88) 1,4-Dichlorobenzene	13.540	146	350474	53.477	ug/l	97
89) n-Butylbenzene	13.787	91	614848	56.412	ug/l	98
90) Hexachloroethane	14.051	117	125935	53.746	ug/l	93
91) 1,2-Dichlorobenzene	13.828	146	312278	54.679	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.445	75	18844	57.491	ug/l	98
93) 1,2,4-Trichlorobenzene	15.098	180	200298	56.847	ug/l	97
94) Hexachlorobutadiene	15.204	225	101728	54.483	ug/l	100
95) Naphthalene	15.334	128	375430	58.107	ug/l	98
96) 1,2,3-Trichlorobenzene	15.522	180	180192	57.536	ug/l	99

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

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