

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD091823\
 Data File : VD077141.D
 Acq On : 18 Sep 2023 20:31
 Operator : JC/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

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

Quant Time: Sep 19 05:00:48 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

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	351033	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	601360	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	561296	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	276119	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	175072	49.418	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	98.840%		
35) Dibromofluoromethane	7.805	113	201948	48.348	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	96.700%		
50) Toluene-d8	10.269	98	744652	50.085	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	100.180%		
62) 4-Bromofluorobenzene	12.575	95	234147	50.811	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	101.620%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.928	85	171769	47.350	ug/l	97
3) Chloromethane	2.146	50	254469	37.948	ug/l	100
4) Vinyl Chloride	2.281	62	311261	43.392	ug/l	98
5) Bromomethane	2.687	94	254138	48.645	ug/l	100
6) Chloroethane	2.828	64	227417	50.951	ug/l	98
7) Trichlorofluoromethane	3.170	101	382999	59.073	ug/l	99
8) Diethyl Ether	3.587	74	114067	54.511	ug/l	94
9) 1,1,2-Trichlorotrifluo...	3.958	101	203927	50.308	ug/l	98
10) Methyl Iodide	4.158	142	327052	56.449	ug/l	92
11) Tert butyl alcohol	5.052	59	56687	280.647	ug/l	95
12) 1,1-Dichloroethene	3.940	96	211686	51.839	ug/l	93
13) Acrolein	3.793	56	32764	245.210	ug/l	97
14) Allyl chloride	4.558	41	269538	54.101	ug/l	93
15) Acrylonitrile	5.258	53	237160	270.279	ug/l	99
16) Acetone	4.022	43	202425	250.004	ug/l	88
17) Carbon Disulfide	4.264	76	661475	49.206	ug/l	100
18) Methyl Acetate	4.558	43	163816	53.504	ug/l	94
19) Methyl tert-butyl Ether	5.311	73	507054	57.384	ug/l	99
20) Methylene Chloride	4.799	84	293763	56.993	ug/l	89
21) trans-1,2-Dichloroethene	5.311	96	254539	51.565	ug/l	95
22) Diisopropyl ether	6.211	45	617319	54.803	ug/l	97
23) Vinyl Acetate	6.152	43	1227305m	272.535	ug/l	
24) 1,1-Dichloroethane	6.111	63	414576	51.279	ug/l	96
25) 2-Butanone	7.081	43	283476	266.118	ug/l #	86
26) 2,2-Dichloropropane	7.075	77	338533	49.330	ug/l	98
27) cis-1,2-Dichloroethene	7.075	96	292253	52.666	ug/l	97
28) Bromochloromethane	7.422	49	115765	46.631	ug/l	89
29) Tetrahydrofuran	7.446	42	170881	274.411	ug/l	92
30) Chloroform	7.593	83	451456	51.813	ug/l	95
31) Cyclohexane	7.875	56	315861	50.963	ug/l	96
32) 1,1,1-Trichloroethane	7.787	97	379466	52.175	ug/l	97
36) 1,1-Dichloropropene	8.011	75	323752	51.466	ug/l	97
37) Ethyl Acetate	7.163	43	132605	54.944	ug/l	95
38) Carbon Tetrachloride	7.987	117	299469	48.436	ug/l	97
39) Methylcyclohexane	9.275	83	382415	52.835	ug/l	95
40) Benzene	8.246	78	993244	51.034	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.399	41	69718	54.121	ug/l #	87
42) 1,2-Dichloroethane	8.322	62	248592	51.518	ug/l	98
43) Isopropyl Acetate	8.363	43	237948	53.548	ug/l #	82
44) Trichloroethene	9.028	130	276700	51.367	ug/l	92
45) 1,2-Dichloropropane	9.305	63	241904	51.173	ug/l	97
46) Dibromomethane	9.393	93	140541	51.162	ug/l	96
47) Bromodichloromethane	9.587	83	340281	51.261	ug/l	97
48) Methyl methacrylate	9.375	41	115019	56.963	ug/l #	83
49) 1,4-Dioxane	9.387	88	27459	1107.418	ug/l	90
51) 4-Methyl-2-Pentanone	10.157	43	624027	268.516	ug/l	93
52) Toluene	10.334	92	643266	51.664	ug/l	96
53) t-1,3-Dichloropropene	10.552	75	323331	52.136	ug/l	98
54) cis-1,3-Dichloropropene	10.016	75	388203	52.246	ug/l #	91
55) 1,1,2-Trichloroethane	10.734	97	190595	51.013	ug/l	96
56) Ethyl methacrylate	10.599	69	231701	57.724	ug/l	90
57) 1,3-Dichloropropane	10.881	76	317103	52.428	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.869	63	478971	233.220	ug/l	100
59) 2-Hexanone	10.922	43	441797	264.953	ug/l	91
60) Dibromochloromethane	11.075	129	230672	50.407	ug/l	98
61) 1,2-Dibromoethane	11.181	107	183837	50.897	ug/l	98
64) Tetrachloroethene	10.810	164	240667	55.109	ug/l	95
65) Chlorobenzene	11.604	112	689384	52.210	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.681	131	246710	51.071	ug/l	96
67) Ethyl Benzene	11.681	91	1209295	53.282	ug/l	97
68) m/p-Xylenes	11.793	106	960533	105.701	ug/l	92
69) o-Xylene	12.122	106	447507	53.653	ug/l	91
70) Styrene	12.134	104	797225	56.103	ug/l	97
71) Bromoform	12.299	173	136711	51.055	ug/l #	100
73) Isopropylbenzene	12.422	105	1160298	56.870	ug/l	96
74) N-amyl acetate	12.234	43	224929	58.690	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.675	83	207328	53.848	ug/l	100
76) 1,2,3-Trichloropropane	12.728	75	108977m	49.478	ug/l	
77) Bromobenzene	12.698	156	292771	57.630	ug/l	96
78) n-propylbenzene	12.763	91	1394633	55.923	ug/l	97
79) 2-Chlorotoluene	12.851	91	764128	55.564	ug/l	96
80) 1,3,5-Trimethylbenzene	12.904	105	954251	56.003	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.469	75	65921	56.651	ug/l	98
82) 4-Chlorotoluene	12.946	91	797648	55.187	ug/l	94
83) tert-Butylbenzene	13.169	119	819371	56.286	ug/l	97
84) 1,2,4-Trimethylbenzene	13.210	105	958228	55.460	ug/l	94
85) sec-Butylbenzene	13.345	105	1212991	55.528	ug/l	96
86) p-Isopropyltoluene	13.463	119	1023512	55.231	ug/l	97
87) 1,3-Dichlorobenzene	13.457	146	540641	51.747	ug/l	97
88) 1,4-Dichlorobenzene	13.540	146	529131	51.475	ug/l	98
89) n-Butylbenzene	13.787	91	929728	54.385	ug/l	99
90) Hexachloroethane	14.057	117	180916	49.226	ug/l	95
91) 1,2-Dichlorobenzene	13.834	146	466810	52.112	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.445	75	30719	59.752	ug/l	99
93) 1,2,4-Trichlorobenzene	15.104	180	304015	55.010	ug/l	97
94) Hexachlorobutadiene	15.204	225	150347	51.337	ug/l	99
95) Naphthalene	15.334	128	594699	58.683	ug/l	99
96) 1,2,3-Trichlorobenzene	15.522	180	266076	54.166	ug/l	99

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

