

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD081424\
 Data File : VD079728.D
 Acq On : 14 Aug 2024 09:22
 Operator : RP/MD
 Sample : VSTDCCC050
 Misc : 5.00G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Quant Time: Aug 15 01:22:08 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D081224S.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 13 01:06:11 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 08/15/2024
 Supervised By :Semsettin Yesilyurt 08/15/2024

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	178425	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	322107	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.580	117	291663	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	152751	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	106781	52.019	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 104.040%			
35) Dibromofluoromethane	7.804	113	101659	51.195	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 102.380%			
50) Toluene-d8	10.269	98	451949	54.456	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 108.920%			
62) 4-Bromofluorobenzene	12.569	95	129274	55.630	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery = 111.260%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.934	85	74042	50.473	ug/l	97
3) Chloromethane	2.146	50	157558	45.721	ug/l	97
4) Vinyl Chloride	2.281	62	199373	48.941	ug/l	99
5) Bromomethane	2.687	94	121853	43.945	ug/l	98
6) Chloroethane	2.834	64	138874	49.941	ug/l	95
7) Trichlorofluoromethane	3.169	101	186181	51.102	ug/l	96
8) Diethyl Ether	3.593	74	60417	53.032	ug/l	81
9) 1,1,2-Trichlorotrifluo...	3.969	101	111077	51.789	ug/l	92
10) Methyl Iodide	4.163	142	107717	44.870	ug/l	93
11) Tert butyl alcohol	5.057	59	36089	345.277	ug/l #	94
12) 1,1-Dichloroethene	3.940	96	114088	50.871	ug/l	93
13) Acrolein	3.799	56	59401	248.777	ug/l	99
14) Allyl chloride	4.563	41	165532	49.210	ug/l #	84
15) Acrylonitrile	5.251	53	146968	280.231	ug/l	98
16) Acetone	4.022	43	141935	285.957	ug/l	98
17) Carbon Disulfide	4.269	76	388175	48.827	ug/l	99
18) Methyl Acetate	4.563	43	69222	49.461	ug/l #	84
19) Methyl tert-butyl Ether	5.316	73	259677	56.390	ug/l	99
20) Methylene Chloride	4.798	84	152350	53.932	ug/l #	88
21) trans-1,2-Dichloroethene	5.310	96	130072	52.826	ug/l #	82
22) Diisopropyl ether	6.210	45	375296	54.141	ug/l #	93
23) Vinyl Acetate	6.151	43	1523799	299.905	ug/l #	90
24) 1,1-Dichloroethane	6.110	63	230077	50.209	ug/l	97
25) 2-Butanone	7.081	43	187236	296.474	ug/l	91
26) 2,2-Dichloropropane	7.069	77	187905	51.923	ug/l	100
27) cis-1,2-Dichloroethene	7.075	96	148310	51.927	ug/l	87
28) Bromochloromethane	7.428	49	97880	50.211	ug/l #	66
29) Tetrahydrofuran	7.439	42	112460	292.925	ug/l #	82
30) Chloroform	7.592	83	229955	51.678	ug/l	95
31) Cyclohexane	7.881	56	192138	51.208	ug/l	87
32) 1,1,1-Trichloroethane	7.787	97	193884	52.666	ug/l	97
36) 1,1-Dichloropropene	8.010	75	172943	56.185	ug/l	96
37) Ethyl Acetate	7.169	43	77863	55.896	ug/l	94
38) Carbon Tetrachloride	7.992	117	178283	57.062	ug/l	98
39) Methylcyclohexane	9.275	83	217125	59.681	ug/l	94
40) Benzene	8.251	78	543618	54.303	ug/l	96

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Reviewed By :Mahesh Dadoda 08/15/2024
 Supervised By :Semsettin Yesilyurt 08/15/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.404	41	42313	57.675	ug/l #	84
42) 1,2-Dichloroethane	8.322	62	129164	55.819	ug/l	96
43) Isopropyl Acetate	8.363	43	146015	60.103	ug/l #	92
44) Trichloroethene	9.028	130	116701	53.076	ug/l	75
45) 1,2-Dichloropropane	9.304	63	133091	54.012	ug/l	93
46) Dibromomethane	9.392	93	70677	56.655	ug/l	89
47) Bromodichloromethane	9.581	83	173414	55.146	ug/l	98
48) Methyl methacrylate	9.381	41	68200	61.033	ug/l	82
49) 1,4-Dioxane	9.381	88	18492	1472.823	ug/l	91
51) 4-Methyl-2-Pentanone	10.157	43	397106	317.721	ug/l	94
52) Toluene	10.333	92	341412	56.874	ug/l	99
53) t-1,3-Dichloropropene	10.551	75	165014	56.135	ug/l	97
54) cis-1,3-Dichloropropene	10.016	75	201813	55.937	ug/l #	92
55) 1,1,2-Trichloroethane	10.733	97	97122	58.402	ug/l	94
56) Ethyl methacrylate	10.598	69	128787	61.340	ug/l #	89
57) 1,3-Dichloropropane	10.875	76	165754	57.816	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.869	63	282884	311.932	ug/l	89
59) 2-Hexanone	10.916	43	303976	323.878	ug/l	94
60) Dibromochloromethane	11.075	129	117658	57.425	ug/l	96
61) 1,2-Dibromoethane	11.175	107	85032	57.583	ug/l	94
64) Tetrachloroethene	10.810	164	98593	55.324	ug/l	95
65) Chlorobenzene	11.604	112	354300	55.321	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.680	131	115629	55.378	ug/l	98
67) Ethyl Benzene	11.680	91	630327	56.092	ug/l	98
68) m/p-Xylenes	11.792	106	507019	116.028	ug/l	94
69) o-Xylene	12.116	106	228551	57.226	ug/l	88
70) Styrene	12.133	104	413548	59.025	ug/l	97
71) Bromoform	12.292	173	62253	58.002	ug/l #	97
73) Isopropylbenzene	12.416	105	595511	55.531	ug/l	100
74) N-amyl acetate	12.227	43	146664	61.386	ug/l	91
75) 1,1,2,2-Tetrachloroethane	12.669	83	113063	56.465	ug/l	96
76) 1,2,3-Trichloropropane	12.722	75	69136m	55.519	ug/l	
77) Bromobenzene	12.698	156	132307	55.164	ug/l	84
78) n-propylbenzene	12.757	91	755743	56.951	ug/l	96
79) 2-Chlorotoluene	12.845	91	404923	54.797	ug/l	94
80) 1,3,5-Trimethylbenzene	12.898	105	506262	56.928	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.469	75	43167	59.074	ug/l	99
82) 4-Chlorotoluene	12.945	91	427862	55.062	ug/l	96
83) tert-Butylbenzene	13.163	119	429899	57.279	ug/l	94
84) 1,2,4-Trimethylbenzene	13.210	105	519707	57.122	ug/l	97
85) sec-Butylbenzene	13.339	105	670057	57.937	ug/l	98
86) p-Isopropyltoluene	13.457	119	569546	58.622	ug/l	98
87) 1,3-Dichlorobenzene	13.457	146	283167	55.460	ug/l	97
88) 1,4-Dichlorobenzene	13.533	146	275711	54.704	ug/l	96
89) n-Butylbenzene	13.780	91	537114	58.650	ug/l	97
90) Hexachloroethane	14.051	117	106844	53.598	ug/l	93
91) 1,2-Dichlorobenzene	13.827	146	244085	55.507	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	14.445	75	15464	56.579	ug/l	84
93) 1,2,4-Trichlorobenzene	15.098	180	148321	58.632	ug/l	98
94) Hexachlorobutadiene	15.198	225	75647	59.465	ug/l	95
95) Naphthalene	15.327	128	311003	64.281	ug/l	99
96) 1,2,3-Trichlorobenzene	15.521	180	131043	59.097	ug/l	98

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

