

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD122023\
 Data File : VD078019.D
 Acq On : 21 Dec 2023 04:01
 Operator : RP/MD
 Sample : VSTDCCC050
 Misc : 5.00G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Dec 21 05:35:46 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D120823S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 14 14:48:10 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 12/21/2023
 Supervised By :Semsettin Yesilyurt 12/21/2023

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

Internal Standards						
1) Pentafluorobenzene	7.881	168	102206	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	184440	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	180267	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	101726	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	65041	54.005	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 108.020%			
35) Dibromofluoromethane	7.810	113	69639	53.903	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 107.800%			
50) Toluene-d8	10.269	98	272824	52.726	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 105.460%			
62) 4-Bromofluorobenzene	12.575	95	85103	55.011	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 110.020%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.934	85	48093	37.669	ug/l	99
3) Chloromethane	2.152	50	89119	51.210	ug/l	99
4) Vinyl Chloride	2.287	62	124282	52.606	ug/l	98
5) Bromomethane	2.699	94	99271	74.884	ug/l	99
6) Chloroethane	2.846	64	97475	60.518	ug/l	94
7) Trichlorofluoromethane	3.181	101	101180	46.501	ug/l	97
8) Diethyl Ether	3.599	74	32914	53.871	ug/l	91
9) 1,1,2-Trichlorotrifluo...	3.975	101	60223	48.381	ug/l	96
10) Methyl Iodide	4.175	142	72086	63.908	ug/l #	89
11) Tert butyl alcohol	5.058	59	12862	220.438	ug/l #	93
12) 1,1-Dichloroethene	3.952	96	61537	50.089	ug/l #	78
13) Acrolein	3.799	56	17799	139.712	ug/l	95
14) Allyl chloride	4.569	41	85690	50.714	ug/l	90
15) Acrylonitrile	5.264	53	71398	272.933	ug/l	99
16) Acetone	4.022	43	55024	205.825	ug/l	88
17) Carbon Disulfide	4.275	76	182121	43.817	ug/l	97
18) Methyl Acetate	4.569	43	58320	61.487	ug/l	90
19) Methyl tert-butyl Ether	5.322	73	149231	57.252	ug/l	92
20) Methylene Chloride	4.805	84	82862	58.965	ug/l #	84
21) trans-1,2-Dichloroethene	5.322	96	78054	56.092	ug/l	92
22) Diisopropyl ether	6.216	45	198186	56.128	ug/l	93
23) Vinyl Acetate	6.164	43	426719m	247.472	ug/l	
24) 1,1-Dichloroethane	6.116	63	137936	57.685	ug/l	98
25) 2-Butanone	7.087	43	78802	237.267	ug/l	88
26) 2,2-Dichloropropane	7.081	77	102446	51.028	ug/l	96
27) cis-1,2-Dichloroethene	7.087	96	92741	61.938	ug/l	95
28) Bromochloromethane	7.428	49	48483	50.178	ug/l #	79
29) Tetrahydrofuran	7.440	42	49789	259.613	ug/l	87
30) Chloroform	7.605	83	146451	61.196	ug/l	95
31) Cyclohexane	7.887	56	91675	42.796	ug/l	91
32) 1,1,1-Trichloroethane	7.799	97	116902	55.412	ug/l	99
36) 1,1-Dichloropropene	8.010	75	103014	49.849	ug/l	97
37) Ethyl Acetate	7.169	43	36544	45.352	ug/l #	92
38) Carbon Tetrachloride	7.999	117	102714	49.857	ug/l	97
39) Methylcyclohexane	9.281	83	107934	44.057	ug/l	97
40) Benzene	8.258	78	314652	53.647	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.399	41	18748	45.777	ug/l #	90
42) 1,2-Dichloroethane	8.334	62	83121	54.672	ug/l	96
43) Isopropyl Acetate	8.363	43	69618	48.603	ug/l	95
44) Trichloroethene	9.034	130	82569	54.021	ug/l	99
45) 1,2-Dichloropropane	9.310	63	80130	56.199	ug/l	98
46) Dibromomethane	9.393	93	43536	57.708	ug/l	93
47) Bromodichloromethane	9.587	83	112503	58.834	ug/l	99
48) Methyl methacrylate	9.381	41	41010	50.366	ug/l #	79
49) 1,4-Dioxane	9.387	88	7499	1001.045	ug/l #	84
51) 4-Methyl-2-Pentanone	10.163	43	180718	247.209	ug/l	91
52) Toluene	10.334	92	204242	56.137	ug/l	100
53) t-1,3-Dichloropropene	10.552	75	100043	54.481	ug/l	94
54) cis-1,3-Dichloropropene	10.016	75	120959	54.483	ug/l #	88
55) 1,1,2-Trichloroethane	10.734	97	58945	57.121	ug/l	94
56) Ethyl methacrylate	10.599	69	50836	55.884	ug/l #	91
57) 1,3-Dichloropropane	10.881	76	101866	57.268	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.875	63	120331	231.955	ug/l	94
59) 2-Hexanone	10.922	43	122560	202.078	ug/l	92
60) Dibromochloromethane	11.075	129	73994	59.556	ug/l	95
61) 1,2-Dibromoethane	11.181	107	55459	57.092	ug/l	99
64) Tetrachloroethene	10.810	164	68767	51.902	ug/l	90
65) Chlorobenzene	11.610	112	222098	52.352	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.681	131	81946	54.666	ug/l	97
67) Ethyl Benzene	11.687	91	404005	53.831	ug/l	95
68) m/p-Xylenes	11.793	106	309699	107.882	ug/l	92
69) o-Xylene	12.122	106	145626	55.042	ug/l	92
70) Styrene	12.134	104	223490	56.809	ug/l	95
71) Bromoform	12.298	173	42969	54.859	ug/l #	99
73) Isopropylbenzene	12.422	105	383016	49.678	ug/l	97
74) N-amyl acetate	12.234	43	62341	41.134	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.675	83	69135	51.427	ug/l	98
76) 1,2,3-Trichloropropane	12.722	75	36254m	41.035	ug/l	
77) Bromobenzene	12.698	156	92517	51.016	ug/l	91
78) n-propylbenzene	12.763	91	466078	49.610	ug/l	96
79) 2-Chlorotoluene	12.851	91	255728	50.792	ug/l	96
80) 1,3,5-Trimethylbenzene	12.904	105	328075	51.020	ug/l	95
81) trans-1,4-Dichloro-2-b...	12.469	75	19593	44.931	ug/l	93
82) 4-Chlorotoluene	12.945	91	264660	50.282	ug/l	97
83) tert-Butylbenzene	13.169	119	279605	51.505	ug/l	97
84) 1,2,4-Trimethylbenzene	13.210	105	333131	51.796	ug/l	97
85) sec-Butylbenzene	13.345	105	401232	50.001	ug/l	96
86) p-Isopropyltoluene	13.463	119	367447	51.144	ug/l	98
87) 1,3-Dichlorobenzene	13.457	146	194272	52.385	ug/l	98
88) 1,4-Dichlorobenzene	13.540	146	183226	49.482	ug/l	97
89) n-Butylbenzene	13.787	91	337089	49.863	ug/l	98
90) Hexachloroethane	14.057	117	72305	54.723	ug/l	95
91) 1,2-Dichlorobenzene	13.834	146	161085	51.073	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.445	75	9182	47.094	ug/l	95
93) 1,2,4-Trichlorobenzene	15.098	180	100600	46.696	ug/l	96
94) Hexachlorobutadiene	15.204	225	52541	45.226	ug/l	99
95) Naphthalene	15.328	128	182474	50.977	ug/l	100
96) 1,2,3-Trichlorobenzene	15.522	180	87063	49.019	ug/l	99

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

