

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD122123\
 Data File : VD078021.D
 Acq On : 21 Dec 2023 12:12
 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: Dec 22 05:10:48 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 12/22/2023
 Supervised By :Semsettin Yesilyurt 12/22/2023

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	144391	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	240441	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.586	117	225928	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.521	152	123570	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.233	65	76398	44.902	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	89.800%		
35) Dibromofluoromethane	7.804	113	86050	51.092	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	102.180%		
50) Toluene-d8	10.269	98	320740	47.549	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	95.100%		
62) 4-Bromofluorobenzene	12.574	95	98775	48.978	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	97.960%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.934	85	74847	41.497	ug/l	98
3) Chloromethane	2.151	50	116565	47.412	ug/l	99
4) Vinyl Chloride	2.293	62	171471	51.375	ug/l	98
5) Bromomethane	2.698	94	128830	68.790	ug/l	97
6) Chloroethane	2.846	64	126507	55.596	ug/l	95
7) Trichlorofluoromethane	3.187	101	156735	50.989	ug/l	97
8) Diethyl Ether	3.598	74	45736	52.987	ug/l	90
9) 1,1,2-Trichlorotrifluo...	3.969	101	95082	54.069	ug/l	98
10) Methyl Iodide	4.169	142	96517	60.921	ug/l	90
11) Tert butyl alcohol	5.057	59	23614	290.009	ug/l	95
12) 1,1-Dichloroethene	3.951	96	89800	51.739	ug/l	87
13) Acrolein	3.804	56	21067	117.051	ug/l	99
14) Allyl chloride	4.569	41	113882	47.708	ug/l	90
15) Acrylonitrile	5.263	53	94219	254.944	ug/l	97
16) Acetone	4.022	43	92560	251.966	ug/l	91
17) Carbon Disulfide	4.275	76	243109	41.402	ug/l	100
18) Methyl Acetate	4.563	43	76858	57.358	ug/l	91
19) Methyl tert-butyl Ether	5.316	73	204197	55.452	ug/l	97
20) Methylene Chloride	4.804	84	109941	55.051	ug/l	91
21) trans-1,2-Dichloroethene	5.322	96	107103	54.481	ug/l	96
22) Diisopropyl ether	6.216	45	256797	51.479	ug/l	95
23) Vinyl Acetate	6.157	43	591657	242.879	ug/l #	91
24) 1,1-Dichloroethane	6.116	63	175905	52.072	ug/l	96
25) 2-Butanone	7.087	43	118882	254.452	ug/l	90
26) 2,2-Dichloropropane	7.087	77	150035	52.899	ug/l	95
27) cis-1,2-Dichloroethene	7.081	96	121788	57.574	ug/l	94
28) Bromochloromethane	7.428	49	54131	39.656	ug/l	82
29) Tetrahydrofuran	7.445	42	68595	253.176	ug/l	93
30) Chloroform	7.598	83	190084	56.223	ug/l	95
31) Cyclohexane	7.881	56	137785	45.529	ug/l	93
32) 1,1,1-Trichloroethane	7.798	97	162522	54.529	ug/l	98
36) 1,1-Dichloropropene	8.010	75	141088	52.372	ug/l	96
37) Ethyl Acetate	7.169	43	48234	45.918	ug/l #	91
38) Carbon Tetrachloride	7.998	117	142578	53.087	ug/l	98
39) Methylcyclohexane	9.275	83	165422	51.796	ug/l	95
40) Benzene	8.251	78	411783	53.855	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.404	41	28692	53.740	ug/l #	86
42) 1,2-Dichloroethane	8.328	62	108710	54.850	ug/l	95
43) Isopropyl Acetate	8.363	43	93898	50.286	ug/l	94
44) Trichloroethene	9.028	130	109504	54.956	ug/l	95
45) 1,2-Dichloropropane	9.304	63	103123	55.480	ug/l	98
46) Dibromomethane	9.398	93	56010	56.951	ug/l	93
47) Bromodichloromethane	9.586	83	145292	58.285	ug/l	99
48) Methyl methacrylate	9.380	41	55575	52.357	ug/l #	79
49) 1,4-Dioxane	9.386	88	10470	1072.120	ug/l #	73
51) 4-Methyl-2-Pentanone	10.163	43	249790	262.111	ug/l	93
52) Toluene	10.339	92	261399	55.114	ug/l	100
53) t-1,3-Dichloropropene	10.557	75	134730	56.282	ug/l	97
54) cis-1,3-Dichloropropene	10.016	75	164294	56.766	ug/l #	93
55) 1,1,2-Trichloroethane	10.733	97	77536	57.637	ug/l	95
56) Ethyl methacrylate	10.598	69	66080	55.722	ug/l	92
57) 1,3-Dichloropropane	10.880	76	131838	56.855	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.869	63	138858	205.326	ug/l	94
59) 2-Hexanone	10.922	43	178880	226.245	ug/l	94
60) Dibromochloromethane	11.075	129	96884	59.818	ug/l	94
61) 1,2-Dibromoethane	11.180	107	72845	57.524	ug/l	100
64) Tetrachloroethene	10.810	164	85974	51.774	ug/l	92
65) Chlorobenzene	11.610	112	285761	53.797	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.686	131	108026	57.499	ug/l	97
67) Ethyl Benzene	11.686	91	521175	55.408	ug/l	94
68) m/p-Xylenes	11.798	106	413351	114.888	ug/l	95
69) o-Xylene	12.122	106	191488	57.749	ug/l	96
70) Styrene	12.133	104	289301	58.675	ug/l	96
71) Bromoform	12.304	173	55760	56.802	ug/l #	99
73) Isopropylbenzene	12.422	105	507717	54.211	ug/l	97
74) N-amyl acetate	12.233	43	86279	46.866	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.674	83	87421	53.534	ug/l	97
76) 1,2,3-Trichloropropane	12.721	75	63436m	59.109	ug/l	
77) Bromobenzene	12.704	156	118434	53.763	ug/l	93
78) n-propylbenzene	12.763	91	612451	53.666	ug/l	97
79) 2-Chlorotoluene	12.851	91	330386	54.021	ug/l	97
80) 1,3,5-Trimethylbenzene	12.904	105	423625	54.233	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.469	75	28291	53.409	ug/l	96
82) 4-Chlorotoluene	12.951	91	345565	54.048	ug/l	96
83) tert-Butylbenzene	13.169	119	369780	56.074	ug/l	97
84) 1,2,4-Trimethylbenzene	13.210	105	436127	55.823	ug/l	97
85) sec-Butylbenzene	13.345	105	545097	55.921	ug/l	97
86) p-Isopropyltoluene	13.463	119	494613	56.674	ug/l	98
87) 1,3-Dichlorobenzene	13.463	146	250256	55.552	ug/l	98
88) 1,4-Dichlorobenzene	13.539	146	243372	54.262	ug/l	99
89) n-Butylbenzene	13.786	91	463335	56.422	ug/l	98
90) Hexachloroethane	14.057	117	96026	59.829	ug/l	93
91) 1,2-Dichlorobenzene	13.833	146	212087	55.356	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.451	75	12909	54.663	ug/l	96
93) 1,2,4-Trichlorobenzene	15.098	180	137608	52.582	ug/l	97
94) Hexachlorobutadiene	15.204	225	73975	52.420	ug/l	99
95) Naphthalene	15.333	128	245982	56.572	ug/l	100
96) 1,2,3-Trichlorobenzene	15.521	180	118082	54.731	ug/l	99

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

