

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD011624\
 Data File : VD078168.D
 Acq On : 16 Jan 2024 10:42
 Operator : RP/MD
 Sample : VSTDCCC050
 Misc : 5.00G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 01/17/2024
 Supervised By :Semsettin Yesilyurt 01/17/2024

Quant Time: Jan 17 04:19:16 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D010824S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 09 01:29:14 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.887	168	93810	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	158094	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.587	117	142378	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	69288	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	55154	55.846	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 111.700%			
35) Dibromofluoromethane	7.810	113	60943	53.488	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 106.980%			
50) Toluene-d8	10.275	98	215605	56.424	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 112.840%			
62) 4-Bromofluorobenzene	12.581	95	67114	50.455	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 100.920%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.940	85	39289	51.271	ug/l	99
3) Chloromethane	2.152	50	61318	51.405	ug/l	99
4) Vinyl Chloride	2.293	62	91168	54.349	ug/l	99
5) Bromomethane	2.705	94	64556	50.128	ug/l	94
6) Chloroethane	2.846	64	68439	54.947	ug/l	99
7) Trichlorofluoromethane	3.187	101	95275	51.687	ug/l	98
8) Diethyl Ether	3.605	74	26594	55.021	ug/l	83
9) 1,1,2-Trichlorotrifluo...	3.981	101	58225	53.142	ug/l	96
10) Methyl Iodide	4.175	142	55071	52.722	ug/l	91
11) Tert butyl alcohol	5.064	59	15107m	300.259	ug/l	
12) 1,1-Dichloroethene	3.952	96	51013	54.985	ug/l	89
13) Acrolein	3.805	56	17226	226.250	ug/l	96
14) Allyl chloride	4.569	41	72404	58.419	ug/l #	86
15) Acrylonitrile	5.264	53	65230	288.459	ug/l	98
16) Acetone	4.022	43	63538	289.768	ug/l #	82
17) Carbon Disulfide	4.281	76	107325	51.905	ug/l	99
18) Methyl Acetate	4.575	43	55940	62.927	ug/l	90
19) Methyl tert-butyl Ether	5.322	73	126771	56.715	ug/l	97
20) Methylene Chloride	4.811	84	68391	58.662	ug/l #	83
21) trans-1,2-Dichloroethene	5.316	96	59995	56.821	ug/l	93
22) Diisopropyl ether	6.228	45	169481	58.154	ug/l	96
23) Vinyl Acetate	6.164	43	371383	283.676	ug/l	94
24) 1,1-Dichloroethane	6.122	63	116862	57.473	ug/l	96
25) 2-Butanone	7.087	43	81578	267.395	ug/l #	84
26) 2,2-Dichloropropane	7.081	77	103740	57.035	ug/l	93
27) cis-1,2-Dichloroethene	7.093	96	72994	56.230	ug/l	90
28) Bromochloromethane	7.428	49	44643	60.554	ug/l #	78
29) Tetrahydrofuran	7.452	42	42788	267.333	ug/l	88
30) Chloroform	7.605	83	125079	56.752	ug/l	98
31) Cyclohexane	7.881	56	74019	49.533	ug/l	95
32) 1,1,1-Trichloroethane	7.799	97	107224	56.244	ug/l	99
36) 1,1-Dichloropropene	8.016	75	84678	55.042	ug/l	95
37) Ethyl Acetate	7.175	43	27237	44.984	ug/l #	93
38) Carbon Tetrachloride	7.993	117	93071	52.529	ug/l	98
39) Methylcyclohexane	9.275	83	89364	52.783	ug/l	97
40) Benzene	8.258	78	250495	54.550	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.416	41	19861m	55.880	ug/l	
42) 1,2-Dichloroethane	8.334	62	68317	52.865	ug/l	96
43) Isopropyl Acetate	8.363	43	61160	52.398	ug/l #	90
44) Trichloroethene	9.034	130	64308	51.792	ug/l	90
45) 1,2-Dichloropropane	9.310	63	66045	55.767	ug/l	99
46) Dibromomethane	9.399	93	36404	55.561	ug/l #	85
47) Bromodichloromethane	9.587	83	93880	53.894	ug/l	98
48) Methyl methacrylate	9.387	41	34437	53.387	ug/l #	82
49) 1,4-Dioxane	9.387	88	6491	1133.288	ug/l #	85
51) 4-Methyl-2-Pentanone	10.163	43	169620	280.481	ug/l	90
52) Toluene	10.340	92	159878	55.128	ug/l	100
53) t-1,3-Dichloropropene	10.557	75	85648	55.399	ug/l	95
54) cis-1,3-Dichloropropene	10.022	75	100778	57.132	ug/l #	85
55) 1,1,2-Trichloroethane	10.740	97	50322	54.758	ug/l	97
56) Ethyl methacrylate	10.604	69	40167	56.085	ug/l #	82
57) 1,3-Dichloropropane	10.881	76	82189	55.102	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.875	63	96809	296.037	ug/l	92
59) 2-Hexanone	10.922	43	123707	272.073	ug/l	87
60) Dibromochloromethane	11.075	129	60679	52.257	ug/l	96
61) 1,2-Dibromoethane	11.187	107	44256	52.308	ug/l	99
64) Tetrachloroethene	10.816	164	48347	50.152	ug/l	90
65) Chlorobenzene	11.610	112	174203	53.177	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.687	131	66034	51.893	ug/l	97
67) Ethyl Benzene	11.687	91	318685	55.396	ug/l	99
68) m/p-Xylenes	11.799	106	243636	109.870	ug/l	90
69) o-Xylene	12.128	106	113653	55.347	ug/l	93
70) Styrene	12.140	104	174688	55.960	ug/l	94
71) Bromoform	12.298	173	33502	52.089	ug/l #	100
73) Isopropylbenzene	12.428	105	310583	56.375	ug/l	97
74) N-amyl acetate	12.240	43	54250	53.841	ug/l	89
75) 1,1,2,2-Tetrachloroethane	12.675	83	55453	53.490	ug/l	100
76) 1,2,3-Trichloropropane	12.728	75	35642m	52.248	ug/l	
77) Bromobenzene	12.704	156	67773	53.551	ug/l	87
78) n-propylbenzene	12.769	91	381606	57.145	ug/l	95
79) 2-Chlorotoluene	12.851	91	201850	56.811	ug/l	94
80) 1,3,5-Trimethylbenzene	12.910	105	254982	55.767	ug/l	95
81) trans-1,4-Dichloro-2-b...	12.469	75	17101	55.867	ug/l	98
82) 4-Chlorotoluene	12.951	91	214581	56.148	ug/l	95
83) tert-Butylbenzene	13.169	119	220477	55.078	ug/l	95
84) 1,2,4-Trimethylbenzene	13.216	105	258976	57.053	ug/l	95
85) sec-Butylbenzene	13.351	105	331803	56.574	ug/l	96
86) p-Isopropyltoluene	13.463	119	288350	55.526	ug/l	96
87) 1,3-Dichlorobenzene	13.463	146	141030	53.709	ug/l	98
88) 1,4-Dichlorobenzene	13.540	146	137609	53.056	ug/l	97
89) n-Butylbenzene	13.793	91	281033	56.988	ug/l	98
90) Hexachloroethane	14.057	117	57753	54.109	ug/l	85
91) 1,2-Dichlorobenzene	13.834	146	122024	53.871	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.451	75	7270	51.754	ug/l	97
93) 1,2,4-Trichlorobenzene	15.098	180	73589	52.466	ug/l	98
94) Hexachlorobutadiene	15.210	225	40324	50.956	ug/l	99
95) Naphthalene	15.334	128	140981	56.699	ug/l	99
96) 1,2,3-Trichlorobenzene	15.528	180	65055	54.386	ug/l	99

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

