

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD021424\
 Data File : VD078408.D
 Acq On : 14 Feb 2024 10:52
 Operator : RP/MD
 Sample : VSTDCCC050
 Misc : 5.00G/5ml/MSVOA_D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Quant Time: Feb 15 03:38:02 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D021324S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 14 01:16:20 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 02/15/2024
 Supervised By :Semsettin Yesilyurt 02/15/2024

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	135409	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.781	114	239055	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	228922	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	117058	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	74741	51.049	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 102.100%			
35) Dibromofluoromethane	7.810	113	77773	51.216	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 102.440%			
50) Toluene-d8	10.269	98	303190	49.912	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 99.820%			
62) 4-Bromofluorobenzene	12.575	95	90026	50.928	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 101.860%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.934	85	74895	56.136	ug/l	98
3) Chloromethane	2.152	50	132399	53.999	ug/l	100
4) Vinyl Chloride	2.287	62	198267	52.993	ug/l	100
5) Bromomethane	2.693	94	139070	53.851	ug/l	100
6) Chloroethane	2.840	64	145757	53.426	ug/l	98
7) Trichlorofluoromethane	3.175	101	134136	53.147	ug/l	94
8) Diethyl Ether	3.593	74	38501	52.962	ug/l	85
9) 1,1,2-Trichlorotrifluo...	3.969	101	81683	51.302	ug/l	95
10) Methyl Iodide	4.169	142	76760	53.827	ug/l	91
11) Tert butyl alcohol	5.063	59	20432	257.656	ug/l	95
12) 1,1-Dichloroethene	3.946	96	76754	51.997	ug/l	86
13) Acrolein	3.799	56	25590	189.194	ug/l	95
14) Allyl chloride	4.569	41	97776	53.618	ug/l	89
15) Acrylonitrile	5.252	53	81423	261.645	ug/l	98
16) Acetone	4.022	43	93873	347.155	ug/l	88
17) Carbon Disulfide	4.275	76	259911	52.327	ug/l	99
18) Methyl Acetate	4.564	43	66834	61.711	ug/l	90
19) Methyl tert-butyl Ether	5.322	73	172174	54.898	ug/l	99
20) Methylene Chloride	4.811	84	97479	59.352	ug/l	94
21) trans-1,2-Dichloroethene	5.316	96	94075	54.174	ug/l	94
22) Diisopropyl ether	6.216	45	232310	57.799	ug/l	94
23) Vinyl Acetate	6.158	43	434109	264.331	ug/l	# 93
24) 1,1-Dichloroethane	6.110	63	157210	55.214	ug/l	99
25) 2-Butanone	7.081	43	114322	312.087	ug/l	# 85
26) 2,2-Dichloropropane	7.075	77	127007	53.210	ug/l	95
27) cis-1,2-Dichloroethene	7.081	96	105254	55.244	ug/l	92
28) Bromochloromethane	7.428	49	62055	55.026	ug/l	# 78
29) Tetrahydrofuran	7.446	42	60679	278.682	ug/l	89
30) Chloroform	7.599	83	168618	55.972	ug/l	98
31) Cyclohexane	7.881	56	127933	51.655	ug/l	94
32) 1,1,1-Trichloroethane	7.793	97	141015	54.902	ug/l	99
36) 1,1-Dichloropropene	8.005	75	128372	54.418	ug/l	96
37) Ethyl Acetate	7.169	43	42797	51.754	ug/l	95
38) Carbon Tetrachloride	7.993	117	125879	53.883	ug/l	93
39) Methylcyclohexane	9.275	83	150402	53.705	ug/l	93
40) Benzene	8.252	78	377669	55.389	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.405	41	24788	57.598	ug/l	90
42) 1,2-Dichloroethane	8.328	62	94694	53.673	ug/l	95
43) Isopropyl Acetate	8.363	43	82258	53.719	ug/l	91
44) Trichloroethene	9.028	130	95786	55.064	ug/l	94
45) 1,2-Dichloropropane	9.304	63	91533	54.713	ug/l	96
46) Dibromomethane	9.393	93	52539	55.834	ug/l	87
47) Bromodichloromethane	9.587	83	128733	55.234	ug/l	100
48) Methyl methacrylate	9.381	41	48174	59.299	ug/l #	80
49) 1,4-Dioxane	9.387	88	11040	1083.361	ug/l #	89
51) 4-Methyl-2-Pentanone	10.157	43	217205	267.256	ug/l	93
52) Toluene	10.334	92	238374	55.283	ug/l	100
53) t-1,3-Dichloropropene	10.551	75	118035	55.502	ug/l	98
54) cis-1,3-Dichloropropene	10.016	75	142987	55.448	ug/l #	93
55) 1,1,2-Trichloroethane	10.734	97	72072	56.874	ug/l	97
56) Ethyl methacrylate	10.598	69	56297	48.035	ug/l #	87
57) 1,3-Dichloropropane	10.881	76	118161	54.815	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.869	63	165439	239.644	ug/l	94
59) 2-Hexanone	10.922	43	171658	281.052	ug/l	90
60) Dibromochloromethane	11.075	129	83674	54.880	ug/l	95
61) 1,2-Dibromoethane	11.181	107	66701	56.067	ug/l	98
64) Tetrachloroethene	10.810	164	73771	51.019	ug/l	94
65) Chlorobenzene	11.604	112	247532	53.785	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.681	131	92157	54.489	ug/l	96
67) Ethyl Benzene	11.687	91	455294	55.214	ug/l	96
68) m/p-Xylenes	11.793	106	356707	110.899	ug/l	90
69) o-Xylene	12.122	106	160710	54.751	ug/l	90
70) Styrene	12.134	104	251451	52.490	ug/l	96
71) Bromoform	12.298	173	45671	51.304	ug/l #	99
73) Isopropylbenzene	12.422	105	427063	54.331	ug/l	96
74) N-amyl acetate	12.234	43	73522	49.442	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.675	83	79522	51.001	ug/l	99
76) 1,2,3-Trichloropropane	12.722	75	52238m	52.565	ug/l	
77) Bromobenzene	12.704	156	97970	53.034	ug/l	89
78) n-propylbenzene	12.763	91	522051	53.295	ug/l	96
79) 2-Chlorotoluene	12.851	91	278455	53.075	ug/l	97
80) 1,3,5-Trimethylbenzene	12.904	105	365568	56.009	ug/l	95
81) trans-1,4-Dichloro-2-b...	12.469	75	24698	51.594	ug/l	96
82) 4-Chlorotoluene	12.945	91	305795	54.269	ug/l	94
83) tert-Butylbenzene	13.169	119	302331	54.924	ug/l	99
84) 1,2,4-Trimethylbenzene	13.210	105	369181	55.733	ug/l	96
85) sec-Butylbenzene	13.345	105	451878	52.934	ug/l	95
86) p-Isopropyltoluene	13.463	119	405037	55.705	ug/l	96
87) 1,3-Dichlorobenzene	13.457	146	207809	52.708	ug/l	98
88) 1,4-Dichlorobenzene	13.540	146	206448	53.291	ug/l	99
89) n-Butylbenzene	13.787	91	379199	54.107	ug/l	98
90) Hexachloroethane	14.057	117	80484	53.855	ug/l	87
91) 1,2-Dichlorobenzene	13.834	146	179289	54.153	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.445	75	10396	50.920	ug/l	97
93) 1,2,4-Trichlorobenzene	15.098	180	101541	52.186	ug/l	98
94) Hexachlorobutadiene	15.204	225	52121	51.320	ug/l	100
95) Naphthalene	15.334	128	192578	53.362	ug/l	98
96) 1,2,3-Trichlorobenzene	15.522	180	91653	55.580	ug/l	99

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

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