Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD052024\
Data File : VD078968.D
Acq On : 20 May 2024 11:29
Operator : RP/MD
Sample : VSTDCCC025
Misc : 5.00G/5ml/MSVOA_D/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VSTD025248

Quant Time: May 21 01:00:04 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM051724SMA.M
Quant Title : SFAM01.0
QLast Update : Sat May 18 00:53:45 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	8.775	114	166520	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.581	117	167042	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.516	152	93268	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.281	65	91197	22.340	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 89.360%			
7) Chloroethane-d5	2.805	69	104282	23.865	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 95.440%			
11) 1,1-Dichloroethene-d2	3.922	65	20931	26.286	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery = 105.160%			
21) 2-Butanone-d5	6.987	46	30090	52.077	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 104.160%			
24) Chloroform-d	7.569	84	113781	22.952	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery = 91.800%			
26) 1,2-Dichloroethane-d4	8.234	65	57236	24.312	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 97.240%			
32) Benzene-d6	8.204	84	229136	26.884	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery = 107.520%			
36) 1,2-Dichloropropane-d6	9.210	67	67109	25.841	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery = 103.360%			
41) Toluene-d8	10.269	98	206158	26.241	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery = 104.960%			
43) trans-1,3-Dichloroprop...	10.528	79	30718	25.678	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery = 102.720%			
47) 2-Hexanone-d5	10.875	63	27543	52.918	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 105.840%			
56) 1,1,2,2-Tetrachloroeth...	12.651	84	77298	26.165	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery = 104.680%			
66) 1,2-Dichlorobenzene-d4	13.816	152	81359	25.701	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery = 102.800%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.934	85	82616	24.797	ug/L	99
3) Chloromethane	2.152	50	89785	21.963	ug/L	91
5) Vinyl chloride	2.287	62	145362	21.732	ug/L	99
6) Bromomethane	2.699	94	116108	24.273	ug/L	97
8) Chloroethane	2.840	64	122370	23.689	ug/L	100
9) Trichlorofluoromethane	3.181	101	138838	26.614	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	3.969	101	85589	25.883	ug/L #	87
12) 1,1-Dichloroethene	3.946	96	73099	25.388	ug/L	88
13) Acetone	4.016	43	38983	55.852	ug/L	100
14) Carbon disulfide	4.275	76	189059	22.659	ug/L	97
15) Methyl Acetate	4.563	43	29742	26.227	ug/L	99
16) Methylene chloride	4.805	84	100729	25.537	ug/L	93
17) trans-1,2-Dichloroethene	5.310	96	79688	27.182	ug/L	93
18) Methyl tert-butyl Ether	5.316	73	177771	28.461	ug/L #	82
19) 1,1-Dichloroethane	6.116	63	134547	27.324	ug/L	93
20) cis-1,2-Dichloroethene	7.081	96	92119	27.548	ug/L	90
22) 2-Butanone	7.081	43	44639	55.627	ug/L	97
23) Bromochloromethane	7.428	128	45041	26.956	ug/L #	86
25) Chloroform	7.593	83	163632	27.647	ug/L	92

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Quant Title : SFAM01.0
QLast Update : Sat May 18 00:53:45 2024
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.328	62	92347	26.939	ug/L	96
29) Cyclohexane	7.875	56	90755	28.269	ug/L	94
30) 1,1,1-Trichloroethane	7.793	97	132904	28.757	ug/L	97
31) Carbon tetrachloride	7.993	117	121916	28.650	ug/L	100
33) Benzene	8.251	78	325733	28.448	ug/L	100
34) Trichloroethene	9.028	95	85057	28.834	ug/L	93
35) Methylcyclohexane	9.275	83	124490	28.071	ug/L	98
37) 1,2-Dichloropropane	9.304	63	82211	28.332	ug/L	99
38) Bromodichloromethane	9.581	83	118516	28.883	ug/L	94
39) cis-1,3-Dichloropropene	10.016	75	133184	29.258	ug/L	93
40) 4-Methyl-2-pentanone	10.157	43	87311	59.569	ug/L	98
42) Toluene	10.334	91	370874	29.461	ug/L	100
44) trans-1,3-Dichloropropene	10.551	75	119105	29.596	ug/L	99
45) 1,1,2-Trichloroethane	10.734	97	77198	29.094	ug/L	86
46) Tetrachloroethene	10.810	164	70954	27.956	ug/L	96
48) 2-Hexanone	10.922	43	67860	59.724	ug/L	98
49) Dibromochloromethane	11.075	129	92366	28.633	ug/L	98
50) 1,2-Dibromoethane	11.181	107	69052	27.550	ug/L	96
51) Chlorobenzene	11.604	112	246514	27.718	ug/L	100
52) Ethylbenzene	11.687	91	398393	29.323	ug/L	99
53) m,p-Xylene	11.792	106	158738	29.205	ug/L	97
54) o-Xylene	12.122	106	152465	28.800	ug/L	99
55) Styrene	12.134	104	278336	29.753	ug/L	98
57) 1,1,2,2-Tetrachloroethane	12.675	83	89726	27.880	ug/L	95
59) Bromoform	12.298	173	57474	27.227	ug/L	99
60) Isopropylbenzene	12.422	105	406305	29.466	ug/L	99
61) 1,2,3-Trichloropropane	12.728	75	59393	27.781	ug/L	96
62) 1,3,5-Trimethylbenzene	12.904	105	311187	30.532	ug/L	99
63) 1,2,4-Trimethylbenzene	13.210	105	312421	30.166	ug/L	98
64) 1,3-Dichlorobenzene	13.457	146	188025	28.077	ug/L	94
65) 1,4-Dichlorobenzene	13.539	146	199306	27.605	ug/L	91
67) 1,2-Dichlorobenzene	13.833	146	177801	28.052	ug/L	98
68) 1,2-Dibromo-3-chloropr...	14.445	75	11948	26.829	ug/L	93
69) 1,3,5-Trichlorobenzene	14.592	180	121304	27.890	ug/L	99
70) 1,2,4-trichlorobenzene	15.098	180	102569	27.857	ug/L	99
71) Naphthalene	15.333	128	213459	28.415	ug/L	99
72) 1,2,3-Trichlorobenzene	15.522	180	95730	27.816	ug/L	100

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

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