Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD020224\
Data File : VD078338.D
Acq On : 02 Feb 2024 20:40
Operator : RP/MD
Sample : VSTDCCC025EC
Misc : 5.00G/10ml/MSVOA_D/SOIL
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VSTD025237

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 02/06/2024
Supervised By :Mahesh Dadoda 02/06/2024

Quant Time: Feb 03 00:24:52 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM020124SMA.M
Quant Title : SFAM01.0
QLast Update : Sat Feb 03 00:20:19 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) 1,4-Difluorobenzene	8.775	114	173189	25.000 ug/L	0.00
28) Chlorobenzene-d5	11.581	117	176215	25.000 ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.516	152	83333	25.000 ug/L	0.00
System Monitoring Compounds					
4) Vinyl Chloride-d3	2.269	65	137410	27.965 ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 111.840%		
7) Chloroethane-d5	2.793	69	116574	28.224 ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 112.880%		
11) 1,1-Dichloroethene-d2	3.910	65	28049	26.438 ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery = 105.760%		
21) 2-Butanone-d5	6.987	46	38720	53.521 ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 107.040%		
24) Chloroform-d	7.569	84	139576	28.266 ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery = 113.080%		
26) 1,2-Dichloroethane-d4	8.234	65	75202	28.220 ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 112.880%		
32) Benzene-d6	8.198	84	283464	27.511 ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery = 110.040%		
36) 1,2-Dichloropropane-d6	9.210	67	86231	27.184 ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery = 108.720%		
41) Toluene-d8	10.269	98	254688	27.520 ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery = 110.080%		
43) trans-1,3-Dichloroprop...	10.522	79	38368	27.089 ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery = 108.360%		
47) 2-Hexanone-d5	10.875	63	35542	55.225 ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 110.440%		
56) 1,1,2,2-Tetrachloroeth...	12.651	84	78892	26.765 ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery = 107.040%		
66) 1,2-Dichlorobenzene-d4	13.816	152	80078	26.842 ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery = 107.360%		
Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.934	85	95774	28.047 ug/L	94
3) Chloromethane	2.146	50	157787	31.771 ug/L	99
5) Vinyl chloride	2.281	62	180214	29.349 ug/L	96
6) Bromomethane	2.687	94	73840	26.524 ug/L	96
8) Chloroethane	2.828	64	114454	29.276 ug/L	99
9) Trichlorofluoromethane	3.169	101	127954	29.313 ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	3.969	101	78972m	29.073 ug/L	
12) 1,1-Dichloroethene	3.934	96	70507	28.047 ug/L	97
13) Acetone	4.022	43	42420	44.658 ug/L	99
14) Carbon disulfide	4.263	76	258227	27.869 ug/L	98
15) Methyl Acetate	4.569	43	38392m	26.975 ug/L	
16) Methylene chloride	4.799	84	87856	25.867 ug/L	98
17) trans-1,2-Dichloroethene	5.310	96	77698	28.048 ug/L	93
18) Methyl tert-butyl Ether	5.316	73	178253	27.667 ug/L	99
19) 1,1-Dichloroethane	6.110	63	141539	29.199 ug/L	99
20) cis-1,2-Dichloroethene	7.081	96	86291	28.423 ug/L	93
22) 2-Butanone	7.081	43	54102	47.041 ug/L	98
23) Bromochloromethane	7.428	128	39728	29.625 ug/L	93
25) Chloroform	7.593	83	149892	28.338 ug/L	97

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Quant Title : SFAM01.0
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	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
27)	1,2-Dichloroethane	8.322	62	97237	28.624	ug/L		96
29)	Cyclohexane	7.875	56	114097	28.643	ug/L		97
30)	1,1,1-Trichloroethane	7.787	97	118954	27.539	ug/L		97
31)	Carbon tetrachloride	7.992	117	105082	27.615	ug/L		99
33)	Benzene	8.251	78	335268	28.235	ug/L		100
34)	Trichloroethene	9.028	95	80937	26.988	ug/L		98
35)	Methylcyclohexane	9.269	83	136827	29.157	ug/L		98
37)	1,2-Dichloropropane	9.304	63	88343	28.235	ug/L		100
38)	Bromodichloromethane	9.581	83	113244	27.740	ug/L	#	98
39)	cis-1,3-Dichloropropene	10.016	75	131488	26.998	ug/L		97
40)	4-Methyl-2-pentanone	10.157	43	108298	55.731	ug/L		98
42)	Toluene	10.334	91	357785	28.961	ug/L		98
44)	trans-1,3-Dichloropropene	10.551	75	114864	26.956	ug/L		98
45)	1,1,2-Trichloroethane	10.728	97	71332	28.601	ug/L		93
46)	Tetrachloroethene	10.810	164	58022	28.176	ug/L		96
48)	2-Hexanone	10.922	43	82012	51.741	ug/L		97
49)	Dibromochloromethane	11.075	129	75405	26.902	ug/L		100
50)	1,2-Dibromoethane	11.181	107	66821	27.467	ug/L	#	99
51)	Chlorobenzene	11.604	112	221141	27.646	ug/L		97
52)	Ethylbenzene	11.681	91	381130	28.719	ug/L		99
53)	m,p-Xylene	11.792	106	142333	27.907	ug/L		96
54)	o-Xylene	12.116	106	141495	28.769	ug/L		93
55)	Styrene	12.133	104	259396	29.238	ug/L		99
57)	1,1,2,2-Tetrachloroethane	12.669	83	86967	27.215	ug/L	#	96
59)	Bromoform	12.298	173	46573	27.855	ug/L		97
60)	Isopropylbenzene	12.422	105	359244	28.530	ug/L		100
61)	1,2,3-Trichloropropane	12.722	75	57766	27.176	ug/L		98
62)	1,3,5-Trimethylbenzene	12.904	105	283033	28.736	ug/L		97
63)	1,2,4-Trimethylbenzene	13.210	105	286776	29.396	ug/L		98
64)	1,3-Dichlorobenzene	13.457	146	158305	28.173	ug/L		99
65)	1,4-Dichlorobenzene	13.533	146	165764	28.179	ug/L		98
67)	1,2-Dichlorobenzene	13.827	146	144304	27.150	ug/L		96
68)	1,2-Dibromo-3-chloropr...	14.445	75	12131	25.758	ug/L		89
69)	1,3,5-Trichlorobenzene	14.592	180	93945	27.137	ug/L		99
70)	1,2,4-trichlorobenzene	15.098	180	79835	26.681	ug/L		97
71)	Naphthalene	15.327	128	185447	26.473	ug/L		99
72)	1,2,3-Trichlorobenzene	15.522	180	75166	26.909	ug/L		98

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

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