Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051724\
Data File : VD078963.D
Acq On : 17 May 2024 14:36
Operator : RP/MD
Sample : VSTDICV025
Misc : 5.00G/10ml/MSVOA_D/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VICV133

Quant Time: May 18 01:00:31 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	155214	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.581	117	160020	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.516	152	91017	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.275	65	99295	26.096	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 104.400%			
7) Chloroethane-d5	2.799	69	109930	26.990	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 107.960%			
11) 1,1-Dichloroethene-d2	3.922	65	18407	24.800	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery = 99.200%			
21) 2-Butanone-d5	6.987	46	27643	51.327	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 102.660%			
24) Chloroform-d	7.569	84	112578	24.364	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery = 97.440%			
26) 1,2-Dichloroethane-d4	8.228	65	53537	24.398	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 97.600%			
32) Benzene-d6	8.198	84	212227	25.992	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery = 103.960%			
36) 1,2-Dichloropropane-d6	9.210	67	66185	26.603	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery = 106.400%			
41) Toluene-d8	10.269	98	195474	25.973	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery = 103.880%			
43) trans-1,3-Dichloroprop...	10.528	79	27783	24.243	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery = 96.960%			
47) 2-Hexanone-d5	10.875	63	25382	50.906	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 101.820%			
56) 1,1,2,2-Tetrachloroeth...	12.651	84	70969	25.077	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery = 100.320%			
66) 1,2-Dichlorobenzene-d4	13.816	152	72377	23.429	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery = 93.720%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.934	85	68482	22.052	ug/L	100
3) Chloromethane	2.146	50	86975	22.825	ug/L	93
5) Vinyl chloride	2.281	62	142829	22.909	ug/L	94
6) Bromomethane	2.693	94	102091	22.898	ug/L	95
8) Chloroethane	2.834	64	110617	22.973	ug/L	94
9) Trichlorofluoromethane	3.169	101	121846	25.058	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	3.963	101	69484	22.543	ug/L	96
12) 1,1-Dichloroethene	3.934	96	59113	22.026	ug/L	97
13) Acetone	4.022	43	27789	42.715	ug/L	99
14) Carbon disulfide	4.269	76	158339	20.360	ug/L	96
15) Methyl Acetate	4.558	43	23798	22.514	ug/L	98
16) Methylene chloride	4.799	84	79949	21.745	ug/L	97
17) trans-1,2-Dichloroethene	5.310	96	65073	23.813	ug/L	92
18) Methyl tert-butyl Ether	5.316	73	141257	24.262	ug/L	97
19) 1,1-Dichloroethane	6.110	63	111951	24.391	ug/L	97
20) cis-1,2-Dichloroethene	7.075	96	75376	24.183	ug/L	99
22) 2-Butanone	7.081	43	35329	47.233	ug/L	99
23) Bromochloromethane	7.428	128	37132	23.842	ug/L	93
25) Chloroform	7.593	83	132086	23.942	ug/L	94

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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)
27) 1,2-Dichloroethane	8.328	62	77428	24.232	ug/L		97
29) Cyclohexane	7.875	56	71313	23.188	ug/L		94
30) 1,1,1-Trichloroethane	7.787	97	109114	24.646	ug/L		98
31) Carbon tetrachloride	7.993	117	100111	24.558	ug/L		100
33) Benzene	8.251	78	274460	25.022	ug/L		100
34) Trichloroethene	9.028	95	69241	24.503	ug/L		98
35) Methylcyclohexane	9.275	83	97613	22.976	ug/L		98
37) 1,2-Dichloropropane	9.298	63	67843	24.406	ug/L	#	96
38) Bromodichloromethane	9.581	83	97599	24.829	ug/L		98
39) cis-1,3-Dichloropropene	10.016	75	110016	25.229	ug/L		95
40) 4-Methyl-2-pentanone	10.157	43	69986	49.844	ug/L		100
42) Toluene	10.334	91	308536	25.585	ug/L		99
44) trans-1,3-Dichloropropene	10.551	75	95483	24.768	ug/L		98
45) 1,1,2-Trichloroethane	10.734	97	61967	24.379	ug/L	#	87
46) Tetrachloroethene	10.810	164	56543	23.256	ug/L		97
48) 2-Hexanone	10.922	43	53419	49.077	ug/L		100
49) Dibromochloromethane	11.075	129	73682	23.843	ug/L		94
50) 1,2-Dibromoethane	11.181	107	57334	23.878	ug/L		92
51) Chlorobenzene	11.604	112	201302	23.628	ug/L		97
52) Ethylbenzene	11.681	91	324311	24.917	ug/L		100
53) m,p-Xylene	11.792	106	131139	25.186	ug/L		99
54) o-Xylene	12.122	106	126159	24.877	ug/L		97
55) Styrene	12.134	104	228512	25.499	ug/L		99
57) 1,1,2,2-Tetrachloroethane	12.669	83	75684	24.549	ug/L		99
59) Bromoform	12.298	173	46789	22.714	ug/L		98
60) Isopropylbenzene	12.422	105	326280	24.248	ug/L		99
61) 1,2,3-Trichloropropane	12.728	75	47797	22.910	ug/L		98
62) 1,3,5-Trimethylbenzene	12.904	105	240957	24.226	ug/L		100
63) 1,2,4-Trimethylbenzene	13.210	105	241888	23.933	ug/L		99
64) 1,3-Dichlorobenzene	13.457	146	150357	23.007	ug/L		97
65) 1,4-Dichlorobenzene	13.534	146	160658	22.802	ug/L		95
67) 1,2-Dichlorobenzene	13.834	146	142113	22.976	ug/L		96
68) 1,2-Dibromo-3-chloropr...	14.445	75	10194	23.456	ug/L		95
69) 1,3,5-Trichlorobenzene	14.592	180	94452	22.253	ug/L		100
70) 1,2,4-trichlorobenzene	15.098	180	78643	21.887	ug/L		98
71) Naphthalene	15.328	128	164228	22.402	ug/L		99
72) 1,2,3-Trichlorobenzene	15.522	180	74775	22.265	ug/L		96

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

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