Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071824\
Data File : VW029645.D
Acq On : 18 Jul 2024 20:15
Operator : SY/MD
Sample : VSTDCCC025EC
Misc : 5.00g/10mL/MSVOA_W/SOIL/A
ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD025546

Manual Integrations APPROVED

Reviewed By :Romaben Patel 07/19/2024
Supervised By :Mahesh Dadoda 07/24/2024

Quant Time: Jul 19 01:21:55 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM070824SMA.M
Quant Title : SFAM01.0
QLast Update : Fri Jul 19 01:07:26 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	8.843	114	222418	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.629	117	206089	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.556	152	103274	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.363	65	65273	18.167	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 72.680%			
7) Chloroethane-d5	2.899	69	55767	21.555	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 86.240%			
11) 1,1-Dichloroethene-d2	4.021	65	34156	21.170	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery = 84.680%			
21) 2-Butanone-d5	7.075	46	48120	44.614	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 89.220%			
24) Chloroform-d	7.648	84	162338	25.247	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery = 101.000%			
26) 1,2-Dichloroethane-d4	8.307	65	93435	24.774	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 99.080%			
32) Benzene-d6	8.270	84	299188	24.234	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery = 96.920%			
36) 1,2-Dichloropropane-d6	9.270	67	96976	24.567	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery = 98.280%			
41) Toluene-d8	10.319	98	267104	24.601	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery = 98.400%			
43) trans-1,3-Dichloroprop...	10.575	79	36992	22.130	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery = 88.520%			
47) 2-Hexanone-d5	10.922	63	33676	46.949	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 93.900%			
56) 1,1,2,2-Tetrachloroeth...	12.690	84	77651	24.228	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery = 96.920%			
66) 1,2-Dichlorobenzene-d4	13.848	152	86831	24.143	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery = 96.560%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.015	85	37840	17.374	ug/L	92
3) Chloromethane	2.223	50	58674	20.135	ug/L	91
5) Vinyl chloride	2.369	62	73547	22.116	ug/L	99
6) Bromomethane	2.783	94	47521	24.134	ug/L	99
8) Chloroethane	2.936	64	51518	25.177	ug/L	100
9) Trichlorofluoromethane	3.271	101	67556	22.568	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	4.076	101	68703	23.321	ug/L	98
12) 1,1-Dichloroethene	4.045	96	67293	24.329	ug/L	89
13) Acetone	4.125	43	41140	37.791	ug/L	100
14) Carbon disulfide	4.387	76	188501	20.985	ug/L	98
15) Methyl Acetate	4.673	43	44875m	23.479	ug/L	
16) Methylene chloride	4.911	84	109973	27.618	ug/L	98
17) trans-1,2-Dichloroethene	5.429	96	75168	24.549	ug/L	85
18) Methyl tert-butyl Ether	5.423	73	142290	27.312	ug/L	100
19) 1,1-Dichloroethane	6.216	63	173760	27.633	ug/L	99
20) cis-1,2-Dichloroethene	7.167	96	90083	26.904	ug/L	92
22) 2-Butanone	7.167	43	59601	41.704	ug/L	98
23) Bromochloromethane	7.508	128	39130	25.982	ug/L	98
25) Chloroform	7.673	83	167583	27.543	ug/L	100

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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	8.398	62	125960	27.602	ug/L		97
29) Cyclohexane	7.953	56	126923	24.733	ug/L		99
30) 1,1,1-Trichloroethane	7.874	97	127506	27.093	ug/L		97
31) Carbon tetrachloride	8.069	117	114469	26.559	ug/L		98
33) Benzene	8.319	78	355371	27.560	ug/L		100
34) Trichloroethene	9.093	95	91928	26.997	ug/L		98
35) Methylcyclohexane	9.337	83	142344	26.008	ug/L		98
37) 1,2-Dichloropropane	9.368	63	101478	28.460	ug/L		100
38) Bromodichloromethane	9.642	83	122331	28.088	ug/L		100
39) cis-1,3-Dichloropropene	10.069	75	146671	27.387	ug/L		99
40) 4-Methyl-2-pentanone	10.209	43	134090	53.359	ug/L		98
42) Toluene	10.386	91	378715	28.709	ug/L		95
44) trans-1,3-Dichloropropene	10.605	75	121598	26.491	ug/L		99
45) 1,1,2-Trichloroethane	10.782	97	69129	26.958	ug/L		97
46) Tetrachloroethene	10.861	164	64999	26.869	ug/L		90
48) 2-Hexanone	10.965	43	92216	48.846	ug/L		99
49) Dibromochloromethane	11.123	129	73270	27.455	ug/L		93
50) 1,2-Dibromoethane	11.233	107	63513	25.990	ug/L		94
51) Chlorobenzene	11.654	112	237580	27.861	ug/L		98
52) Ethylbenzene	11.727	91	435600	29.146	ug/L		97
53) m,p-Xylene	11.837	106	157052	28.625	ug/L		95
54) o-Xylene	12.160	106	149218	29.405	ug/L		98
55) Styrene	12.178	104	266392	29.855	ug/L		100
57) 1,1,2,2-Tetrachloroethane	12.708	83	85903	26.557	ug/L	#	99
59) Bromoform	12.349	173	39728	24.921	ug/L		95
60) Isopropylbenzene	12.458	105	417738	28.748	ug/L		99
61) 1,2,3-Trichloropropane	12.769	75	63034	25.220	ug/L		99
62) 1,3,5-Trimethylbenzene	12.940	105	310500	30.040	ug/L		97
63) 1,2,4-Trimethylbenzene	13.245	105	338996	29.716	ug/L		99
64) 1,3-Dichlorobenzene	13.495	146	179306	27.529	ug/L		98
65) 1,4-Dichlorobenzene	13.574	146	170818	25.600	ug/L		95
67) 1,2-Dichlorobenzene	13.867	146	160861	27.322	ug/L		98
68) 1,2-Dibromo-3-chloropr...	14.476	75	13619	22.793	ug/L		96
69) 1,3,5-Trichlorobenzene	14.623	180	113558	26.726	ug/L		98
70) 1,2,4-trichlorobenzene	15.123	180	96781	25.886	ug/L		97
71) Naphthalene	15.360	128	195091	24.861	ug/L		99
72) 1,2,3-Trichlorobenzene	15.549	180	83451	24.567	ug/L		93

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

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