Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW070924\
Data File : VW029481.D
Acq On : 09 Jul 2024 09:55
Operator : SY/MD
Sample : VSTDCCC025
Misc : 5.00g/10mL/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD025529

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 07/12/2024
Supervised By :Mahesh Dadoda 07/12/2024

Quant Time: Jul 10 01:14:28 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM070824SMA.M
Quant Title : SFAM01.0
QLast Update : Tue Jul 09 02:23:46 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	8.843	114	256941	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.629	117	235706	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.556	152	115560	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.369	65	103496	24.935	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 99.720%			
7) Chloroethane-d5	2.899	69	77412	25.901	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 103.600%			
11) 1,1-Dichloroethene-d2	4.021	65	47946	25.724	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery = 102.880%			
21) 2-Butanone-d5	7.075	46	58070	46.606	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 93.220%			
24) Chloroform-d	7.648	84	197984	26.654	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery = 106.600%			
26) 1,2-Dichloroethane-d4	8.307	65	113394	26.027	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 104.120%			
32) Benzene-d6	8.276	84	388442	27.510	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery = 110.040%			
36) 1,2-Dichloropropane-d6	9.270	67	121878	26.996	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery = 108.000%			
41) Toluene-d8	10.318	98	346203	27.879	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery = 111.520%			
43) trans-1,3-Dichloroprop...	10.574	79	50405	26.365	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery = 105.480%			
47) 2-Hexanone-d5	10.922	63	39920	48.661	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 97.320%			
56) 1,1,2,2-Tetrachloroeth...	12.690	84	93410	25.483	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery = 101.920%			
66) 1,2-Dichlorobenzene-d4	13.848	152	106569	26.480	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery = 105.920%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.015	85	52194m	20.745	ug/L	
3) Chloromethane	2.222	50	74990	22.276	ug/L	94
5) Vinyl chloride	2.375	62	89923	23.408	ug/L	96
6) Bromomethane	2.789	94	56070	24.650	ug/L	94
8) Chloroethane	2.936	64	58472	24.736	ug/L	99
9) Trichlorofluoromethane	3.271	101	79996	23.133	ug/L	97
10) 1,1,2-Trichloro-1,2,2-...	4.070	101	78723	23.132	ug/L	95
12) 1,1-Dichloroethene	4.045	96	78007	24.413	ug/L	92
13) Acetone	4.118	43	57090	45.396	ug/L	98
14) Carbon disulfide	4.393	76	253802	24.458	ug/L	98
15) Methyl Acetate	4.667	43	48092	21.781	ug/L	99
16) Methylene chloride	4.917	84	95798	20.825	ug/L	99
17) trans-1,2-Dichloroethene	5.423	96	88130	24.915	ug/L	99
18) Methyl tert-butyl Ether	5.423	73	142302	23.644	ug/L	99
19) 1,1-Dichloroethane	6.215	63	179724	24.741	ug/L	98
20) cis-1,2-Dichloroethene	7.173	96	96852	25.039	ug/L	99
22) 2-Butanone	7.167	43	71102	43.067	ug/L	100
23) Bromochloromethane	7.508	128	41944	24.108	ug/L	95
25) Chloroform	7.673	83	176471	25.107	ug/L	99

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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	125576	23.820	ug/L	97
29) Cyclohexane	7.953	56	148805	25.353	ug/L	100
30) 1,1,1-Trichloroethane	7.874	97	139132	25.849	ug/L	99
31) Carbon tetrachloride	8.069	117	122938	24.940	ug/L	100
33) Benzene	8.319	78	381383	25.861	ug/L	100
34) Trichloroethene	9.093	95	97957	25.153	ug/L	96
35) Methylcyclohexane	9.331	83	163751	26.160	ug/L	97
37) 1,2-Dichloropropane	9.367	63	104432	25.608	ug/L	100
38) Bromodichloromethane	9.642	83	124126	24.919	ug/L	97
39) cis-1,3-Dichloropropene	10.068	75	156255	25.510	ug/L	99
40) 4-Methyl-2-pentanone	10.209	43	138244	48.100	ug/L	100
42) Toluene	10.385	91	402384	26.671	ug/L	96
44) trans-1,3-Dichloropropene	10.605	75	130580	24.873	ug/L	98
45) 1,1,2-Trichloroethane	10.782	97	72245	24.633	ug/L	99
46) Tetrachloroethene	10.855	164	67779	24.497	ug/L	88
48) 2-Hexanone	10.965	43	104749	48.513	ug/L	100
49) Dibromochloromethane	11.123	129	75624	24.777	ug/L	97
50) 1,2-Dibromoethane	11.233	107	66572	23.819	ug/L	96
51) Chlorobenzene	11.654	112	245152	25.136	ug/L	99
52) Ethylbenzene	11.727	91	444253	25.990	ug/L	98
53) m,p-Xylene	11.836	106	167718	26.728	ug/L	98
54) o-Xylene	12.160	106	153925	26.522	ug/L	95
55) Styrene	12.178	104	277374	27.179	ug/L	98
57) 1,1,2,2-Tetrachloroethane	12.714	83	89728	24.254	ug/L	95
59) Bromoform	12.349	173	43502	24.387	ug/L	98
60) Isopropylbenzene	12.458	105	429134	26.393	ug/L	100
61) 1,2,3-Trichloropropane	12.763	75	65017	23.247	ug/L	99
62) 1,3,5-Trimethylbenzene	12.940	105	313496	27.105	ug/L	98
63) 1,2,4-Trimethylbenzene	13.245	105	350946	27.493	ug/L	98
64) 1,3-Dichlorobenzene	13.495	146	186641	25.609	ug/L	98
65) 1,4-Dichlorobenzene	13.574	146	182584	24.454	ug/L	93
67) 1,2-Dichlorobenzene	13.867	146	168865	25.632	ug/L	96
68) 1,2-Dibromo-3-chloropr...	14.476	75	14864	22.232	ug/L	92
69) 1,3,5-Trichlorobenzene	14.623	180	117702	24.756	ug/L	99
70) 1,2,4-trichlorobenzene	15.129	180	97771	23.370	ug/L	95
71) Naphthalene	15.360	128	201646	22.964	ug/L	99
72) 1,2,3-Trichlorobenzene	15.543	180	88997	23.414	ug/L	95

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

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