Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW091924\
Data File : VW030142.D
Acq On : 19 Sep 2024 11:22
Operator : SY/MD
Sample : VSTDCCC025
Misc : 5.00g/10mL/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD025483

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 09/24/2024
Supervised By :Semsettin Yesilyurt 09/24/2024

Quant Time: Sep 20 01:18:35 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM091624SMA.M
Quant Title : SFAM01.0
QLast Update : Tue Sep 17 04:41:19 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	8.843	114	234604	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.629	117	219045	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.556	152	107939	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.369	65	65703	21.686	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 86.760%			
7) Chloroethane-d5	2.905	69	51391	24.027	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 96.120%			
11) 1,1-Dichloroethene-d2	4.027	65	34829	23.008	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery = 92.040%			
21) 2-Butanone-d5	7.081	46	36204	49.350	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 98.700%			
24) Chloroform-d	7.654	84	161051	24.967	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery = 99.880%			
26) 1,2-Dichloroethane-d4	8.307	65	81822	25.259	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 101.040%			
32) Benzene-d6	8.276	84	315495	25.002	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery = 100.000%			
36) 1,2-Dichloropropane-d6	9.270	67	96805	24.847	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery = 99.400%			
41) Toluene-d8	10.325	98	292024	25.824	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery = 103.280%			
43) trans-1,3-Dichloroprop...	10.581	79	38164	24.449	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery = 97.800%			
47) 2-Hexanone-d5	10.922	63	30294	50.813	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 101.620%			
56) 1,1,2,2-Tetrachloroeth...	12.690	84	72857	25.117	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery = 100.480%			
66) 1,2-Dichlorobenzene-d4	13.848	152	90166	24.608	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery = 98.440%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.021	85	52576	20.324	ug/L	94
3) Chloromethane	2.222	50	48286	19.992	ug/L	99
5) Vinyl chloride	2.375	62	63926	21.476	ug/L	97
6) Bromomethane	2.795	94	39891	22.371	ug/L	100
8) Chloroethane	2.942	64	37633	21.184	ug/L	94
9) Trichlorofluoromethane	3.271	101	70460	20.071	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	4.076	101	70426m	22.130	ug/L	
12) 1,1-Dichloroethene	4.045	96	61395	21.923	ug/L	94
13) Acetone	4.124	43	35192	41.812	ug/L	99
14) Carbon disulfide	4.393	76	165957	20.861	ug/L	98
15) Methyl Acetate	4.673	43	29171	21.432	ug/L	98
16) Methylene chloride	4.923	84	71969	20.804	ug/L	98
17) trans-1,2-Dichloroethene	5.435	96	67048	21.718	ug/L	98
18) Methyl tert-butyl Ether	5.429	73	106930	21.978	ug/L	99
19) 1,1-Dichloroethane	6.222	63	141631	22.593	ug/L	98
20) cis-1,2-Dichloroethene	7.173	96	79261	23.394	ug/L	96
22) 2-Butanone	7.173	43	42667	42.825	ug/L	99
23) Bromochloromethane	7.520	128	34445	22.749	ug/L	88
25) Chloroform	7.679	83	147415	23.153	ug/L	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.398	62	90355	22.630	ug/L	98
29) Cyclohexane	7.959	56	101307	21.708	ug/L	99
30) 1,1,1-Trichloroethane	7.874	97	118639	22.392	ug/L	98
31) Carbon tetrachloride	8.069	117	106370	22.094	ug/L	99
33) Benzene	8.325	78	305699	22.826	ug/L	100
34) Trichloroethene	9.093	95	79642	22.030	ug/L	96
35) Methylcyclohexane	9.337	83	121204	21.747	ug/L	99
37) 1,2-Dichloropropane	9.367	63	84097	23.168	ug/L	100
38) Bromodichloromethane	9.642	83	104424	22.846	ug/L	100
39) cis-1,3-Dichloropropene	10.069	75	123245	23.209	ug/L	99
40) 4-Methyl-2-pentanone	10.209	43	82979	44.739	ug/L	99
42) Toluene	10.386	91	331666	23.339	ug/L	100
44) trans-1,3-Dichloropropene	10.605	75	101572	22.738	ug/L	99
45) 1,1,2-Trichloroethane	10.788	97	57349	21.713	ug/L	96
46) Tetrachloroethene	10.861	164	59252	22.212	ug/L	97
48) 2-Hexanone	10.965	43	61978	43.454	ug/L	100
49) Dibromochloromethane	11.123	129	66754	23.222	ug/L	88
50) 1,2-Dibromoethane	11.233	107	54216	22.261	ug/L	94
51) Chlorobenzene	11.654	112	212250	23.124	ug/L	92
52) Ethylbenzene	11.727	91	376356	23.137	ug/L	99
53) m,p-Xylene	11.836	106	142718	23.779	ug/L	97
54) o-Xylene	12.160	106	135027	23.908	ug/L	90
55) Styrene	12.178	104	237227	24.216	ug/L	99
57) 1,1,2,2-Tetrachloroethane	12.714	83	70152	22.252	ug/L	99
59) Bromoform	12.349	173	37704	22.071	ug/L	99
60) Isopropylbenzene	12.458	105	377100	23.728	ug/L	99
61) 1,2,3-Trichloropropane	12.763	75	48625	21.654	ug/L	97
62) 1,3,5-Trimethylbenzene	12.940	105	302789	25.995	ug/L	98
63) 1,2,4-Trimethylbenzene	13.245	105	293380	24.228	ug/L	98
64) 1,3-Dichlorobenzene	13.495	146	161062	22.867	ug/L	95
65) 1,4-Dichlorobenzene	13.574	146	165581	22.755	ug/L	98
67) 1,2-Dichlorobenzene	13.867	146	147948	23.307	ug/L	98
68) 1,2-Dibromo-3-chloropr...	14.476	75	10740	21.930	ug/L	96
69) 1,3,5-Trichlorobenzene	14.623	180	110646	22.506	ug/L	97
70) 1,2,4-trichlorobenzene	15.129	180	82450	20.704	ug/L	90
71) Naphthalene	15.354	128	160347	22.173	ug/L	100
72) 1,2,3-Trichlorobenzene	15.549	180	73993	21.188	ug/L	98

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

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