Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW010924\
Data File : VW027846.D
Acq On : 09 Jan 2024 14:27
Operator : SY/MD
Sample : VSTDCCC025EC
Misc : 5.00g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD025582

Quant Time: Jan 10 00:44:31 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM010824SMA.M
Quant Title : SFAM01.0
QLast Update : Wed Jan 10 00:40:17 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	8.843	114	370291	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.629	117	322323	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.556	152	172921	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.369	65	97840	21.649	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 86.600%			
7) Chloroethane-d5	2.905	69	83450	21.061	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 84.240%			
11) 1,1-Dichloroethene-d2	4.027	65	42008	20.663	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery = 82.640%			
21) 2-Butanone-d5	7.093	46	34425	46.063	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 92.120%			
24) Chloroform-d	7.654	84	208693	23.307	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery = 93.240%			
26) 1,2-Dichloroethane-d4	8.307	65	94959	23.408	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 93.640%			
32) Benzene-d6	8.276	84	442103	24.167	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery = 96.680%			
36) 1,2-Dichloropropane-d6	9.276	67	123163	24.335	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery = 97.360%			
41) Toluene-d8	10.325	98	416055	24.327	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery = 97.320%			
43) trans-1,3-Dichloroprop...	10.575	79	48254	24.528	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery = 98.120%			
47) 2-Hexanone-d5	10.922	63	33627	50.618	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 101.240%			
56) 1,1,2,2-Tetrachloroeth...	12.690	84	90004	24.963	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery = 99.840%			
66) 1,2-Dichlorobenzene-d4	13.848	152	142111	23.378	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery = 93.520%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.021	85	78351	20.398	ug/L	92
3) Chloromethane	2.228	50	101882	21.344	ug/L	99
5) Vinyl chloride	2.375	62	120045	24.917	ug/L	100
6) Bromomethane	2.795	94	86161	22.969	ug/L	93
8) Chloroethane	2.942	64	69912	22.026	ug/L	100
9) Trichlorofluoromethane	3.277	101	119697	21.652	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	4.082	101	103439	22.990	ug/L	97
12) 1,1-Dichloroethene	4.045	96	102855	23.352	ug/L	94
13) Acetone	4.155	43	36789	38.517	ug/L	99
14) Carbon disulfide	4.393	76	306074	22.607	ug/L	99
15) Methyl Acetate	4.685	43	28505	21.937	ug/L	97
16) Methylene chloride	4.923	84	121777	22.683	ug/L	95
17) trans-1,2-Dichloroethene	5.435	96	112232	23.849	ug/L	98
18) Methyl tert-butyl Ether	5.429	73	141716	24.648	ug/L	100
19) 1,1-Dichloroethane	6.222	63	187520	23.488	ug/L	97
20) cis-1,2-Dichloroethene	7.173	96	122031	23.841	ug/L	98
22) 2-Butanone	7.185	43	44844	48.402	ug/L	99
23) Bromochloromethane	7.514	128	53233	23.970	ug/L	99
25) Chloroform	7.679	83	197587	23.939	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	8.398	62	111314	23.861	ug/L		100
29) Cyclohexane	7.959	56	162413	24.764	ug/L		99
30) 1,1,1-Trichloroethane	7.874	97	159541	24.679	ug/L		99
31) Carbon tetrachloride	8.069	117	139913	24.949	ug/L		97
33) Benzene	8.325	78	447965	25.178	ug/L		100
34) Trichloroethene	9.093	95	120257	24.729	ug/L		97
35) Methylcyclohexane	9.337	83	201876	24.665	ug/L		98
37) 1,2-Dichloropropane	9.367	63	105934	24.716	ug/L		99
38) Bromodichloromethane	9.642	83	135394	25.263	ug/L		98
39) cis-1,3-Dichloropropene	10.069	75	165479	25.055	ug/L		100
40) 4-Methyl-2-pentanone	10.209	43	83630	50.021	ug/L		99
42) Toluene	10.386	91	492038	25.411	ug/L		95
44) trans-1,3-Dichloropropene	10.605	75	130358	25.570	ug/L		96
45) 1,1,2-Trichloroethane	10.788	97	79504	24.759	ug/L		98
46) Tetrachloroethene	10.861	164	95486	24.080	ug/L		88
48) 2-Hexanone	10.971	43	63518	52.470	ug/L		99
49) Dibromochloromethane	11.129	129	88258	25.154	ug/L		100
50) 1,2-Dibromoethane	11.233	107	74892	25.305	ug/L		100
51) Chlorobenzene	11.654	112	321804	25.169	ug/L		98
52) Ethylbenzene	11.727	91	557513	25.544	ug/L		99
53) m,p-Xylene	11.837	106	221403	26.063	ug/L		92
54) o-Xylene	12.160	106	205634	25.841	ug/L		99
55) Styrene	12.178	104	350663	26.085	ug/L		97
57) 1,1,2,2-Tetrachloroethane	12.714	83	85555	24.713	ug/L		95
59) Bromoform	12.349	173	49111	23.130	ug/L	#	92
60) Isopropylbenzene	12.458	105	577829	24.577	ug/L		100
61) 1,2,3-Trichloropropane	12.763	75	60019	22.922	ug/L		99
62) 1,3,5-Trimethylbenzene	12.940	105	459389	24.320	ug/L		99
63) 1,2,4-Trimethylbenzene	13.245	105	469277	25.039	ug/L		97
64) 1,3-Dichlorobenzene	13.495	146	257119	23.839	ug/L		96
65) 1,4-Dichlorobenzene	13.574	146	253458	24.042	ug/L		92
67) 1,2-Dichlorobenzene	13.867	146	231197	25.150	ug/L		94
68) 1,2-Dibromo-3-chloropr...	14.476	75	11615	22.731	ug/L		88
69) 1,3,5-Trichlorobenzene	14.629	180	176307	23.742	ug/L		94
70) 1,2,4-trichlorobenzene	15.129	180	148980	24.433	ug/L		89
71) Naphthalene	15.360	128	245486	24.509	ug/L		99
72) 1,2,3-Trichlorobenzene	15.543	180	121391	23.673	ug/L		94

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

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