Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW020224\
Data File : VW027941.D
Acq On : 02 Feb 2024 19:43
Operator : SY/MD
Sample : VSTDCCC025EC
Misc : 5.00g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD025594

Quant Time: Feb 02 23:06:37 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM010824SMA.M
Quant Title : SFAM01.0
QLast Update : Fri Feb 02 23:01:12 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	8.843	114	290872	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.629	117	268499	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.556	152	146794	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.369	65	68557	19.311	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 77.240%			
7) Chloroethane-d5	2.899	69	60331	19.384	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 77.520%			
11) 1,1-Dichloroethene-d2	4.021	65	29915	18.732	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery = 74.920%			
21) 2-Butanone-d5	7.081	46	36522	62.212	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 124.420%			
24) Chloroform-d	7.648	84	173657	24.690	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery = 98.760%			
26) 1,2-Dichloroethane-d4	8.307	65	84868	26.633	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 106.520%			
32) Benzene-d6	8.276	84	350599	23.007	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery = 92.040%			
36) 1,2-Dichloropropane-d6	9.270	67	98925	23.465	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery = 93.840%			
41) Toluene-d8	10.319	98	332079	23.309	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery = 93.240%			
43) trans-1,3-Dichloroprop...	10.575	79	41628	25.402	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery = 101.600%			
47) 2-Hexanone-d5	10.922	63	36229	65.467	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 130.940%			
56) 1,1,2,2-Tetrachloroeth...	12.690	84	90762	30.220	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery = 120.880%#			
66) 1,2-Dichlorobenzene-d4	13.848	152	128267	24.857	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery = 99.440%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.015	85	61003	20.218	ug/L	94
3) Chloromethane	2.229	50	76950	20.522	ug/L	99
5) Vinyl chloride	2.375	62	94328	24.925	ug/L	95
6) Bromomethane	2.789	94	68755	23.334	ug/L	92
8) Chloroethane	2.936	64	59496	23.863	ug/L	100
9) Trichlorofluoromethane	3.271	101	74053	17.053	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	4.070	101	94901	26.852	ug/L	96
12) 1,1-Dichloroethene	4.045	96	84684	24.476	ug/L	94
13) Acetone	4.131	43	31145	41.511	ug/L	98
14) Carbon disulfide	4.393	76	230062	21.632	ug/L	99
15) Methyl Acetate	4.679	43	29579	28.979	ug/L	94
16) Methylene chloride	4.917	84	96577	22.901	ug/L	99
17) trans-1,2-Dichloroethene	5.429	96	94451	25.551	ug/L	94
18) Methyl tert-butyl Ether	5.423	73	126136	27.928	ug/L	99
19) 1,1-Dichloroethane	6.216	63	160523	25.596	ug/L	97
20) cis-1,2-Dichloroethene	7.173	96	106400	26.463	ug/L	95
22) 2-Butanone	7.173	43	42475	58.362	ug/L	96
23) Bromochloromethane	7.514	128	50122	28.732	ug/L	93
25) Chloroform	7.679	83	177698	27.408	ug/L	98

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
27) 1,2-Dichloroethane	8.398	62	105228	28.716	ug/L		98
29) Cyclohexane	7.953	56	128339	23.492	ug/L		96
30) 1,1,1-Trichloroethane	7.868	97	138468	25.713	ug/L		98
31) Carbon tetrachloride	8.069	117	128935	27.601	ug/L		96
33) Benzene	8.325	78	380654	25.684	ug/L		100
34) Trichloroethene	9.087	95	106580	26.310	ug/L		91
35) Methylcyclohexane	9.331	83	168832	24.762	ug/L		98
37) 1,2-Dichloropropane	9.367	63	92692	25.961	ug/L		100
38) Bromodichloromethane	9.642	83	125557	28.124	ug/L		98
39) cis-1,3-Dichloropropene	10.069	75	148669	27.022	ug/L		97
40) 4-Methyl-2-pentanone	10.209	43	86293	61.961	ug/L		99
42) Toluene	10.386	91	431538	26.755	ug/L		91
44) trans-1,3-Dichloropropene	10.605	75	125169	29.474	ug/L		99
45) 1,1,2-Trichloroethane	10.782	97	77615	29.016	ug/L		98
46) Tetrachloroethene	10.861	164	88870	26.905	ug/L		92
48) 2-Hexanone	10.965	43	60862	60.354	ug/L		94
49) Dibromochloromethane	11.123	129	87542	29.952	ug/L		98
50) 1,2-Dibromoethane	11.233	107	74027	30.026	ug/L		98
51) Chlorobenzene	11.654	112	279950	26.285	ug/L		96
52) Ethylbenzene	11.727	91	478178	26.301	ug/L		99
53) m,p-Xylene	11.837	106	192298	27.175	ug/L		97
54) o-Xylene	12.160	106	181585	27.393	ug/L		95
55) Styrene	12.178	104	315191	28.146	ug/L		98
57) 1,1,2,2-Tetrachloroethane	12.708	83	88635	30.735	ug/L		97
59) Bromoform	12.343	173	50963	28.274	ug/L	#	91
60) Isopropylbenzene	12.458	105	498528	24.978	ug/L		99
61) 1,2,3-Trichloropropane	12.763	75	62200	27.983	ug/L		99
62) 1,3,5-Trimethylbenzene	12.940	105	409566	25.542	ug/L		98
63) 1,2,4-Trimethylbenzene	13.245	105	406227	25.533	ug/L		99
64) 1,3-Dichlorobenzene	13.495	146	231894	25.327	ug/L		97
65) 1,4-Dichlorobenzene	13.574	146	233862	26.131	ug/L		85
67) 1,2-Dichlorobenzene	13.861	146	212927	27.285	ug/L		95
68) 1,2-Dibromo-3-chloropr...	14.482	75	12695	29.266	ug/L		83
69) 1,3,5-Trichlorobenzene	14.623	180	159812	25.351	ug/L		93
70) 1,2,4-trichlorobenzene	15.123	180	144230	27.865	ug/L		98
71) Naphthalene	15.360	128	257217	30.251	ug/L		99
72) 1,2,3-Trichlorobenzene	15.543	180	124461	28.591	ug/L		98

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

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