Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082224\
Data File : VW029976.D
Acq On : 22 Aug 2024 09:39
Operator : SY/MD
Sample : VSTDCCC025
Misc : 5.00g/10mL/MSVOA_W/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD025587

Quant Time: Aug 23 01:38:17 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM072424SMA.M
Quant Title : SFAM01.0
QLast Update : Wed Aug 21 00:44:34 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	8.843	114	249966	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.629	117	233880	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.555	152	125090	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.368	65	61258	17.262	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 69.040%			
7) Chloroethane-d5	2.905	69	54655	21.573	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 86.280%			
11) 1,1-Dichloroethene-d2	4.021	65	28732	17.737	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery = 70.960%			
21) 2-Butanone-d5	7.081	46	33659	34.606	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 69.220%			
24) Chloroform-d	7.648	84	159726	24.684	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery = 98.720%			
26) 1,2-Dichloroethane-d4	8.306	65	81911	22.224	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 88.880%			
32) Benzene-d6	8.276	84	283631	22.445	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery = 89.760%			
36) 1,2-Dichloropropane-d6	9.276	67	87134	21.594	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery = 86.360%			
41) Toluene-d8	10.324	98	261884	23.307	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery = 93.240%			
43) trans-1,3-Dichloroprop...	10.574	79	35337	21.642	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery = 86.560%			
47) 2-Hexanone-d5	10.922	63	26143	39.292	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 78.580%			
56) 1,1,2,2-Tetrachloroeth...	12.690	84	73001	24.365	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery = 97.480%			
66) 1,2-Dichlorobenzene-d4	13.848	152	85897	22.115	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery = 88.440%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.021	85	71234	21.141	ug/L	98
3) Chloromethane	2.222	50	74910	17.967	ug/L	99
5) Vinyl chloride	2.375	62	105832	22.654	ug/L	100
6) Bromomethane	2.795	94	67414	26.279	ug/L	97
8) Chloroethane	2.935	64	66834	25.148	ug/L	98
9) Trichlorofluoromethane	3.271	101	115061	30.834	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	4.082	101	99713	26.829	ug/L	94
12) 1,1-Dichloroethene	4.045	96	87895	25.739	ug/L	82
13) Acetone	4.124	43	50716	41.957	ug/L	93
14) Carbon disulfide	4.393	76	230104	20.248	ug/L	97
15) Methyl Acetate	4.673	43	37134	18.444	ug/L #	87
16) Methylene chloride	4.917	84	111826	21.400	ug/L	83
17) trans-1,2-Dichloroethene	5.429	96	94443	25.664	ug/L	92
18) Methyl tert-butyl Ether	5.429	73	147119	24.257	ug/L	97
19) 1,1-Dichloroethane	6.221	63	190905	24.597	ug/L	96
20) cis-1,2-Dichloroethene	7.172	96	107028	26.813	ug/L	93
22) 2-Butanone	7.172	43	57752	37.289	ug/L	87
23) Bromochloromethane	7.514	128	47266	27.892	ug/L #	75
25) Chloroform	7.678	83	206747	28.274	ug/L	98

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM072424SMA.M
Quant Title : SFAM01.0
QLast Update : Wed Aug 21 00:44:34 2024
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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
27) 1,2-Dichloroethane	8.398	62	130738	24.533	ug/L		97
29) Cyclohexane	7.959	56	136781	20.580	ug/L		92
30) 1,1,1-Trichloroethane	7.874	97	169422	28.606	ug/L		93
31) Carbon tetrachloride	8.075	117	149607	28.033	ug/L		99
33) Benzene	8.325	78	416655	26.001	ug/L		100
34) Trichloroethene	9.093	95	110873	26.393	ug/L		98
35) Methylcyclohexane	9.337	83	164667	23.524	ug/L		95
37) 1,2-Dichloropropane	9.367	63	109082	24.840	ug/L	#	97
38) Bromodichloromethane	9.642	83	144000	27.537	ug/L		98
39) cis-1,3-Dichloropropene	10.074	75	155194	24.267	ug/L		95
40) 4-Methyl-2-pentanone	10.209	43	108160	38.776	ug/L	#	91
42) Toluene	10.385	91	456937	27.935	ug/L		96
44) trans-1,3-Dichloropropene	10.605	75	133059	25.062	ug/L		99
45) 1,1,2-Trichloroethane	10.782	97	81285	27.553	ug/L		97
46) Tetrachloroethene	10.861	164	81743	26.772	ug/L		85
48) 2-Hexanone	10.964	43	78748	37.695	ug/L	#	90
49) Dibromochloromethane	11.129	129	87747	28.651	ug/L		87
50) 1,2-Dibromoethane	11.233	107	72521	26.568	ug/L		100
51) Chlorobenzene	11.653	112	281357	27.653	ug/L		95
52) Ethylbenzene	11.727	91	513335	27.821	ug/L		100
53) m,p-Xylene	11.836	106	193107	28.458	ug/L		91
54) o-Xylene	12.159	106	179111	28.663	ug/L		97
55) Styrene	12.178	104	326158	30.112	ug/L		96
57) 1,1,2,2-Tetrachloroethane	12.708	83	96198	26.567	ug/L		98
59) Bromoform	12.348	173	50496	26.828	ug/L		96
60) Isopropylbenzene	12.458	105	496526	25.651	ug/L		99
61) 1,2,3-Trichloropropane	12.763	75	68026	22.360	ug/L		97
62) 1,3,5-Trimethylbenzene	12.940	105	408395	28.385	ug/L		98
63) 1,2,4-Trimethylbenzene	13.245	105	407669	26.494	ug/L		99
64) 1,3-Dichlorobenzene	13.495	146	213566	25.860	ug/L		93
65) 1,4-Dichlorobenzene	13.574	146	225396	26.570	ug/L		97
67) 1,2-Dichlorobenzene	13.866	146	205163	27.286	ug/L		93
68) 1,2-Dibromo-3-chloropr...	14.476	75	14791	21.412	ug/L		93
69) 1,3,5-Trichlorobenzene	14.622	180	147217	26.054	ug/L		95
70) 1,2,4-trichlorobenzene	15.128	180	117018	24.582	ug/L		98
71) Naphthalene	15.360	128	205902	22.669	ug/L		99
72) 1,2,3-Trichlorobenzene	15.543	180	105653	24.522	ug/L		99

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

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