Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW022724\
Data File : VW028071.D
Acq On : 27 Feb 2024 12:39
Operator : SY/MD
Sample : VSTDCCC025EC
Misc : 5.00g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD025499

Quant Time: Feb 28 00:19:56 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM020524SMA.M
Quant Title : SFAM01.0
QLast Update : Wed Feb 28 00:18:10 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	8.837	114	238654	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.629	117	220493	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.556	152	125353	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.363	65	48105	17.210	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 68.840%			
7) Chloroethane-d5	2.899	69	47372	22.344	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 89.360%			
11) 1,1-Dichloroethene-d2	4.021	65	23249	19.439	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery = 77.760%			
21) 2-Butanone-d5	7.075	46	32215	74.175	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 148.340%#			
24) Chloroform-d	7.642	84	143344	25.688	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery = 102.760%			
26) 1,2-Dichloroethane-d4	8.307	65	69339	27.513	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 110.040%			
32) Benzene-d6	8.276	84	265512	22.507	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery = 90.040%			
36) 1,2-Dichloropropane-d6	9.270	67	75695	23.665	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery = 94.680%			
41) Toluene-d8	10.319	98	255121	22.602	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery = 90.400%			
43) trans-1,3-Dichloroprop...	10.575	79	33886	25.761	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery = 103.040%			
47) 2-Hexanone-d5	10.922	63	32462	74.613	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 149.220%#			
56) 1,1,2,2-Tetrachloroeth...	12.690	84	78509	32.839	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery = 131.360%#			
66) 1,2-Dichlorobenzene-d4	13.848	152	102360	24.025	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery = 96.080%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.015	85	43302	21.070	ug/L	96
3) Chloromethane	2.223	50	45582	20.196	ug/L	98
5) Vinyl chloride	2.375	62	65220	21.320	ug/L	95
6) Bromomethane	2.789	94	52440	24.261	ug/L	98
8) Chloroethane	2.930	64	43770	25.324	ug/L	100
9) Trichlorofluoromethane	3.265	101	53246	19.152	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	4.064	101	67756	24.179	ug/L	97
12) 1,1-Dichloroethene	4.045	96	61583	23.623	ug/L	94
13) Acetone	4.137	43	25473	60.317	ug/L	98
14) Carbon disulfide	4.387	76	150598	19.513	ug/L	98
15) Methyl Acetate	4.673	43	23520	33.454	ug/L	99
16) Methylene chloride	4.917	84	69817	23.405	ug/L	96
17) trans-1,2-Dichloroethene	5.423	96	68009	24.282	ug/L	92
18) Methyl tert-butyl Ether	5.429	73	99390	29.934	ug/L	99
19) 1,1-Dichloroethane	6.216	63	119181	26.194	ug/L	98
20) cis-1,2-Dichloroethene	7.167	96	80481	27.212	ug/L	98
22) 2-Butanone	7.173	43	34185	70.123	ug/L	97
23) Bromochloromethane	7.508	128	38169	29.053	ug/L	90
25) Chloroform	7.673	83	137833	28.179	ug/L	98

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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	85148	31.259	ug/L	95
29) Cyclohexane	7.953	56	87513	22.268	ug/L	97
30) 1,1,1-Trichloroethane	7.868	97	112611	26.457	ug/L	99
31) Carbon tetrachloride	8.069	117	102898	26.131	ug/L	99
33) Benzene	8.319	78	280000	25.425	ug/L	100
34) Trichloroethene	9.087	95	76800	24.292	ug/L	98
35) Methylcyclohexane	9.331	83	117772	22.638	ug/L	100
37) 1,2-Dichloropropane	9.361	63	67999	26.276	ug/L	100
38) Bromodichloromethane	9.642	83	100119	28.984	ug/L	95
39) cis-1,3-Dichloropropene	10.069	75	115283	27.793	ug/L	98
40) 4-Methyl-2-pentanone	10.203	43	70205	71.875	ug/L	98
42) Toluene	10.386	91	318193	25.770	ug/L	96
44) trans-1,3-Dichloropropene	10.599	75	96911	29.437	ug/L	97
45) 1,1,2-Trichloroethane	10.782	97	61896	30.217	ug/L	97
46) Tetrachloroethene	10.855	164	64487	24.242	ug/L	97
48) 2-Hexanone	10.965	43	51039	68.988	ug/L	98
49) Dibromochloromethane	11.123	129	70030	29.988	ug/L	86
50) 1,2-Dibromoethane	11.233	107	58854	30.782	ug/L	87
51) Chlorobenzene	11.654	112	218814	26.644	ug/L	96
52) Ethylbenzene	11.727	91	365592	26.261	ug/L	100
53) m,p-Xylene	11.837	106	143431	26.271	ug/L	93
54) o-Xylene	12.160	106	138277	27.004	ug/L	95
55) Styrene	12.172	104	245734	28.812	ug/L	95
57) 1,1,2,2-Tetrachloroethane	12.708	83	73763	33.628	ug/L	98
59) Bromoform	12.349	173	41513	28.058	ug/L	93
60) Isopropylbenzene	12.458	105	366752	23.432	ug/L	99
61) 1,2,3-Trichloropropane	12.763	75	51361	30.701	ug/L	98
62) 1,3,5-Trimethylbenzene	12.940	105	303499	24.232	ug/L	100
63) 1,2,4-Trimethylbenzene	13.245	105	310088	25.300	ug/L	100
64) 1,3-Dichlorobenzene	13.495	146	180402	25.091	ug/L	91
65) 1,4-Dichlorobenzene	13.574	146	173492	23.732	ug/L	85
67) 1,2-Dichlorobenzene	13.861	146	160487	25.271	ug/L	96
68) 1,2-Dibromo-3-chloropr...	14.476	75	11460	34.503	ug/L	85
69) 1,3,5-Trichlorobenzene	14.623	180	131940	25.555	ug/L	98
70) 1,2,4-trichlorobenzene	15.129	180	105463	25.295	ug/L	95
71) Naphthalene	15.354	128	209062	32.269	ug/L	99
72) 1,2,3-Trichlorobenzene	15.543	180	95379	27.420	ug/L	99

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

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