Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW061623\
Data File : VW026238.D
Acq On : 16 Jun 2023 19:17
Operator : SY/MD
Sample : VSTDCCC025EC
Misc : 5.00g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD025522

Quant Time: Jun 17 00:08:52 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM053023SMA.M
Quant Title : SFAM01.0
QLast Update : Fri Jun 16 23:58:43 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	8.843	114	606092	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.629	117	553304	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.556	152	274549	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.363	65	165093	19.362	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 77.440%			
7) Chloroethane-d5	2.893	69	157085	24.611	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 98.440%			
11) 1,1-Dichloroethene-d2	4.021	65	86423	20.556	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery = 82.240%			
21) 2-Butanone-d5	7.075	46	155977	62.834	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 125.660%			
24) Chloroform-d	7.648	84	427009	24.059	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery = 96.240%			
26) 1,2-Dichloroethane-d4	8.307	65	238098	24.533	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 98.120%			
32) Benzene-d6	8.270	84	830899	22.317	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery = 89.280%			
36) 1,2-Dichloropropane-d6	9.276	67	278063	23.574	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery = 94.280%			
41) Toluene-d8	10.325	98	709284	21.482	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery = 85.920%			
43) trans-1,3-Dichloroprop...	10.575	79	94348	20.185	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery = 80.760%			
47) 2-Hexanone-d5	10.922	63	108039	58.090	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 116.180%			
56) 1,1,2,2-Tetrachloroeth...	12.690	84	237565	27.678	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery = 110.720%			
66) 1,2-Dichlorobenzene-d4	13.849	152	225396	21.449	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery = 85.800%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.015	85	150483	20.254	ug/L	90
3) Chloromethane	2.229	50	225556	23.676	ug/L	98
5) Vinyl chloride	2.375	62	235891	23.164	ug/L	100
6) Bromomethane	2.783	94	130639	23.532	ug/L	98
8) Chloroethane	2.930	64	146314	26.588	ug/L	96
9) Trichlorofluoromethane	3.265	101	152361	23.256	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	4.076	101	198215	23.978	ug/L	96
12) 1,1-Dichloroethene	4.045	96	176826	22.914	ug/L	92
13) Acetone	4.119	43	83164	43.297	ug/L	99
14) Carbon disulfide	4.393	76	559352	20.533	ug/L	99
15) Methyl Acetate	4.667	43	119518	27.725	ug/L	98
16) Methylene chloride	4.923	84	203631	21.050	ug/L	99
17) trans-1,2-Dichloroethene	5.429	96	195659	22.598	ug/L	98
18) Methyl tert-butyl Ether	5.429	73	316390	23.186	ug/L	99
19) 1,1-Dichloroethane	6.216	63	422804	23.987	ug/L	99
20) cis-1,2-Dichloroethene	7.167	96	220848	24.081	ug/L	99
22) 2-Butanone	7.167	43	145707	53.179	ug/L	99
23) Bromochloromethane	7.514	128	94077	24.053	ug/L	95
25) Chloroform	7.673	83	394825	24.049	ug/L	99

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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	276323	24.404	ug/L	98
29) Cyclohexane	7.959	56	365332	21.387	ug/L	99
30) 1,1,1-Trichloroethane	7.874	97	303597	22.610	ug/L	98
31) Carbon tetrachloride	8.069	117	270196	22.052	ug/L	99
33) Benzene	8.325	78	884481	23.335	ug/L	100
34) Trichloroethene	9.087	95	216855	22.343	ug/L	94
35) Methylcyclohexane	9.331	83	371828	21.651	ug/L	100
37) 1,2-Dichloropropane	9.368	63	242378	23.609	ug/L	100
38) Bromodichloromethane	9.642	83	275533	23.101	ug/L	100
39) cis-1,3-Dichloropropene	10.069	75	336633	22.313	ug/L	100
40) 4-Methyl-2-pentanone	10.209	43	328128	54.212	ug/L	100
42) Toluene	10.386	91	905294	23.352	ug/L	98
44) trans-1,3-Dichloropropene	10.605	75	280828	22.343	ug/L	97
45) 1,1,2-Trichloroethane	10.782	97	167368	24.736	ug/L	98
46) Tetrachloroethene	10.861	164	153661	22.384	ug/L	94
48) 2-Hexanone	10.965	43	220520	51.672	ug/L	98
49) Dibromochloromethane	11.130	129	172075	24.257	ug/L	88
50) 1,2-Dibromoethane	11.233	107	149442	23.854	ug/L	99
51) Chlorobenzene	11.654	112	559016	23.011	ug/L	98
52) Ethylbenzene	11.727	91	1014832	23.205	ug/L	100
53) m,p-Xylene	11.837	106	371832	22.855	ug/L	97
54) o-Xylene	12.166	106	355384	23.144	ug/L	98
55) Styrene	12.178	104	615633	23.369	ug/L	92
57) 1,1,2,2-Tetrachloroethane	12.715	83	208250	25.432	ug/L	98
59) Bromoform	12.349	173	94156	22.833	ug/L	98
60) Isopropylbenzene	12.459	105	963636	22.343	ug/L	98
61) 1,2,3-Trichloropropane	12.763	75	152247	24.756	ug/L	99
62) 1,3,5-Trimethylbenzene	12.940	105	777389	22.674	ug/L	98
63) 1,2,4-Trimethylbenzene	13.245	105	704379	22.431	ug/L	100
64) 1,3-Dichlorobenzene	13.495	146	392168	21.626	ug/L	96
65) 1,4-Dichlorobenzene	13.574	146	405888	22.231	ug/L	100
67) 1,2-Dichlorobenzene	13.867	146	359381	22.069	ug/L	95
68) 1,2-Dibromo-3-chloropr...	14.476	75	34138	23.959	ug/L	91
69) 1,3,5-Trichlorobenzene	14.629	180	247488	19.867	ug/L	97
70) 1,2,4-trichlorobenzene	15.129	180	197752	19.239	ug/L	98
71) Naphthalene	15.360	128	412718	22.528	ug/L	100
72) 1,2,3-Trichlorobenzene	15.549	180	180091	20.047	ug/L	95

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

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