Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121523\
Data File : VW027716.D
Acq On : 17 Dec 2023 02:25
Operator : SY/MD
Sample : VSTDCCC025EC
Misc : 5.00g/10mL/MSVOA_W/SOIL
ALS Vial : 39 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD025570

Quant Time: Dec 17 03:42:59 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM121523SMA.M
Quant Title : SFAM01.0
QLast Update : Sun Dec 17 01:25:09 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	8.837	114	382453	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.629	117	339065	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.556	152	175376	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.357	65	102263	18.880	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 75.520%			
7) Chloroethane-d5	2.893	69	85231	20.210	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 80.840%			
11) 1,1-Dichloroethene-d2	4.015	65	42936	19.793	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery = 79.160%			
21) 2-Butanone-d5	7.094	46	33420	36.234	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 72.460%			
24) Chloroform-d	7.648	84	206848	22.729	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery = 90.920%			
26) 1,2-Dichloroethane-d4	8.307	65	92613	21.674	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 86.680%			
32) Benzene-d6	8.270	84	441859	22.298	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery = 89.200%			
36) 1,2-Dichloropropane-d6	9.270	67	124352	22.150	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery = 88.600%			
41) Toluene-d8	10.319	98	416586	22.659	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery = 90.640%			
43) trans-1,3-Dichloroprop...	10.575	79	45593	20.976	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery = 83.920%			
47) 2-Hexanone-d5	10.922	63	30890	37.757	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 75.520%			
56) 1,1,2,2-Tetrachloroeth...	12.690	84	86229	20.310	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery = 81.240%			
66) 1,2-Dichlorobenzene-d4	13.848	152	134772	21.468	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery = 85.880%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.021	85	91639	20.586	ug/L	97
3) Chloromethane	2.216	50	120970	23.072	ug/L	98
5) Vinyl chloride	2.369	62	137187	21.993	ug/L	97
6) Bromomethane	2.783	94	93473	23.543	ug/L	91
8) Chloroethane	2.930	64	86529	23.201	ug/L	98
9) Trichlorofluoromethane	3.265	101	125232	22.229	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	4.070	101	107174	22.395	ug/L	97
12) 1,1-Dichloroethene	4.039	96	110335	23.552	ug/L	98
13) Acetone	4.167	43	25645	30.629	ug/L	95
14) Carbon disulfide	4.381	76	357082	22.689	ug/L	99
15) Methyl Acetate	4.685	43	29093	19.233	ug/L	97
16) Methylene chloride	4.917	84	123726	20.632	ug/L	95
17) trans-1,2-Dichloroethene	5.429	96	119742	24.172	ug/L	98
18) Methyl tert-butyl Ether	5.429	73	153647	23.459	ug/L	99
19) 1,1-Dichloroethane	6.216	63	205449	24.389	ug/L	99
20) cis-1,2-Dichloroethene	7.167	96	130110	24.950	ug/L	98
22) 2-Butanone	7.185	43	38211	34.368	ug/L	98
23) Bromochloromethane	7.514	128	55831	25.354	ug/L	98
25) Chloroform	7.679	83	208098	25.084	ug/L	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.398	62	117904	24.241	ug/L	98
29) Cyclohexane	7.953	56	174548	21.757	ug/L	97
30) 1,1,1-Trichloroethane	7.874	97	168089	23.733	ug/L	99
31) Carbon tetrachloride	8.069	117	146245	23.463	ug/L	98
33) Benzene	8.325	78	486783	24.766	ug/L	100
34) Trichloroethene	9.093	95	129443	24.160	ug/L	96
35) Methylcyclohexane	9.337	83	218962	22.659	ug/L	98
37) 1,2-Dichloropropane	9.368	63	116183	24.487	ug/L	99
38) Bromodichloromethane	9.642	83	142474	24.705	ug/L	97
39) cis-1,3-Dichloropropene	10.069	75	170087	23.520	ug/L	100
40) 4-Methyl-2-pentanone	10.209	43	84284	40.644	ug/L	99
42) Toluene	10.386	91	536032	25.346	ug/L	97
44) trans-1,3-Dichloropropene	10.605	75	131030	23.008	ug/L	100
45) 1,1,2-Trichloroethane	10.788	97	82733	23.552	ug/L	97
46) Tetrachloroethene	10.861	164	99186	23.184	ug/L	89
48) 2-Hexanone	10.965	43	56115	36.355	ug/L	99
49) Dibromochloromethane	11.123	129	87769	23.889	ug/L	95
50) 1,2-Dibromoethane	11.233	107	74943	22.450	ug/L	95
51) Chlorobenzene	11.654	112	334282	24.740	ug/L	90
52) Ethylbenzene	11.727	91	588254	24.684	ug/L	95
53) m,p-Xylene	11.837	106	231536	25.294	ug/L	97
54) o-Xylene	12.160	106	216592	25.410	ug/L	98
55) Styrene	12.178	104	370791	25.805	ug/L	100
57) 1,1,2,2-Tetrachloroethane	12.708	83	86020	21.482	ug/L	99
59) Bromoform	12.349	173	46912	21.853	ug/L	97
60) Isopropylbenzene	12.458	105	593157	23.964	ug/L	98
61) 1,2,3-Trichloropropane	12.763	75	59196	20.252	ug/L	99
62) 1,3,5-Trimethylbenzene	12.940	105	471947	23.852	ug/L	100
63) 1,2,4-Trimethylbenzene	13.245	105	470807	24.173	ug/L	98
64) 1,3-Dichlorobenzene	13.495	146	249670	23.343	ug/L	88
65) 1,4-Dichlorobenzene	13.574	146	246094	22.906	ug/L	95
67) 1,2-Dichlorobenzene	13.867	146	222523	23.925	ug/L	97
68) 1,2-Dibromo-3-chloropr...	14.476	75	11015	18.864	ug/L	97
69) 1,3,5-Trichlorobenzene	14.623	180	164337	22.082	ug/L	94
70) 1,2,4-trichlorobenzene	15.123	180	132476	21.676	ug/L	87
71) Naphthalene	15.360	128	226382	20.902	ug/L	100
72) 1,2,3-Trichlorobenzene	15.549	180	113173	22.148	ug/L	99

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

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