Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122123\
Data File : VW027815.D
Acq On : 21 Dec 2023 09:23
Operator : SY/MD
Sample : VSTDCCC025
Misc : 5.00g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD025579

Quant Time: Dec 21 22:41:48 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	367318	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.629	117	322634	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.556	152	172640	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.363	65	98067	18.852	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 75.400%			
7) Chloroethane-d5	2.899	69	83439	20.601	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 82.400%			
11) 1,1-Dichloroethene-d2	4.021	65	42272	20.290	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery = 81.160%			
21) 2-Butanone-d5	7.088	46	35419	39.984	ug/L	-0.01
Spiked Amount 50.000	Range 20 - 135		Recovery = 79.960%			
24) Chloroform-d	7.648	84	203061	23.232	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery = 92.920%			
26) 1,2-Dichloroethane-d4	8.307	65	91632	22.328	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 89.320%			
32) Benzene-d6	8.276	84	418407	22.190	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery = 88.760%			
36) 1,2-Dichloropropane-d6	9.270	67	118003	22.090	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery = 88.360%			
41) Toluene-d8	10.319	98	400613	22.899	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery = 91.600%			
43) trans-1,3-Dichloroprop...	10.575	79	47385	22.910	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery = 91.640%			
47) 2-Hexanone-d5	10.922	63	32669	41.965	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 83.940%			
56) 1,1,2,2-Tetrachloroeth...	12.690	84	90781	22.472	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery = 89.880%			
66) 1,2-Dichlorobenzene-d4	13.849	152	135011	21.847	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery = 87.400%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.015	85	98045	22.933	ug/L	95
3) Chloromethane	2.223	50	110098	21.864	ug/L	98
5) Vinyl chloride	2.369	62	138516	23.121	ug/L	100
6) Bromomethane	2.796	94	94282	24.725	ug/L	95
8) Chloroethane	2.936	64	84100	23.479	ug/L	99
9) Trichlorofluoromethane	3.271	101	144834	26.768	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	4.076	101	116701	25.390	ug/L	99
12) 1,1-Dichloroethene	4.045	96	113763	25.284	ug/L	94
13) Acetone	4.155	43	40993	50.978	ug/L	97
14) Carbon disulfide	4.387	76	357435	23.647	ug/L	99
15) Methyl Acetate	4.686	43	30384	20.914	ug/L	94
16) Methylene chloride	4.917	84	118099	20.506	ug/L	97
17) trans-1,2-Dichloroethene	5.429	96	119992	25.220	ug/L	98
18) Methyl tert-butyl Ether	5.429	73	155381	24.701	ug/L #	88
19) 1,1-Dichloroethane	6.216	63	197334	24.391	ug/L	96
20) cis-1,2-Dichloroethene	7.167	96	126941	25.345	ug/L	92
22) 2-Butanone	7.185	43	46506	43.552	ug/L	97
23) Bromochloromethane	7.514	128	55098	26.053	ug/L	97
25) Chloroform	7.679	83	204245	25.634	ug/L	97

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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	116980	25.042	ug/L		98
29) Cyclohexane	7.953	56	182287	23.879	ug/L		95
30) 1,1,1-Trichloroethane	7.868	97	176469	26.185	ug/L		99
31) Carbon tetrachloride	8.069	117	155557	26.228	ug/L		98
33) Benzene	8.325	78	468556	25.053	ug/L		100
34) Trichloroethene	9.093	95	127643	25.037	ug/L		96
35) Methylcyclohexane	9.337	83	230443	25.062	ug/L		97
37) 1,2-Dichloropropane	9.368	63	110507	24.477	ug/L		99
38) Bromodichloromethane	9.642	83	137815	25.114	ug/L		97
39) cis-1,3-Dichloropropene	10.069	75	171854	24.974	ug/L		97
40) 4-Methyl-2-pentanone	10.209	43	85779	43.471	ug/L		98
42) Toluene	10.386	91	521105	25.895	ug/L		99
44) trans-1,3-Dichloropropene	10.605	75	136392	25.170	ug/L		98
45) 1,1,2-Trichloroethane	10.782	97	84050	25.146	ug/L		98
46) Tetrachloroethene	10.861	164	106368	26.129	ug/L		92
48) 2-Hexanone	10.965	43	66991	45.612	ug/L		99
49) Dibromochloromethane	11.123	129	91150	26.073	ug/L		98
50) 1,2-Dibromoethane	11.233	107	78864	24.827	ug/L		94
51) Chlorobenzene	11.654	112	333972	25.976	ug/L		91
52) Ethylbenzene	11.727	91	585730	25.830	ug/L		96
53) m,p-Xylene	11.837	106	232668	26.712	ug/L		90
54) o-Xylene	12.160	106	212627	26.216	ug/L		94
55) Styrene	12.178	104	357184	26.124	ug/L		100
57) 1,1,2,2-Tetrachloroethane	12.715	83	89627	23.523	ug/L		96
59) Bromoform	12.349	173	50802	24.040	ug/L		96
60) Isopropylbenzene	12.459	105	588140	24.138	ug/L		99
61) 1,2,3-Trichloropropane	12.763	75	62783	21.820	ug/L		98
62) 1,3,5-Trimethylbenzene	12.940	105	470660	24.164	ug/L		98
63) 1,2,4-Trimethylbenzene	13.245	105	466834	24.349	ug/L		98
64) 1,3-Dichlorobenzene	13.495	146	255524	24.269	ug/L		92
65) 1,4-Dichlorobenzene	13.574	146	267943	25.335	ug/L		93
67) 1,2-Dichlorobenzene	13.867	146	228566	24.964	ug/L		100
68) 1,2-Dibromo-3-chloropr...	14.476	75	11871	20.652	ug/L	#	79
69) 1,3,5-Trichlorobenzene	14.623	180	179464	24.497	ug/L		95
70) 1,2,4-trichlorobenzene	15.129	180	145450	24.176	ug/L		91
71) Naphthalene	15.360	128	248543	23.312	ug/L		100
72) 1,2,3-Trichlorobenzene	15.549	180	122548	24.362	ug/L		96

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

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