Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD090123\
Data File : VD077083.D
Acq On : 01 Sep 2023 15:07
Operator : JC/SY
Sample : VSTDICV025
Misc : 5.00G/10.0ml/MSVOA_D/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VICV169

Quant Time: Sep 02 01:41:09 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM090123SMA.M
Quant Title : SFAM01.0
QLast Update : Sat Sep 02 01:35:39 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	8.775	114	289234	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.581	117	292740	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.516	152	159901	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.270	65	168115	23.589	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 94.360%			
7) Chloroethane-d5	2.799	69	142771	24.361	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 97.440%			
11) 1,1-Dichloroethene-d2	3.917	65	36079	22.286	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery = 89.160%			
21) 2-Butanone-d5	6.987	46	44779	49.874	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 99.740%			
24) Chloroform-d	7.569	84	189690	23.968	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery = 95.880%			
26) 1,2-Dichloroethane-d4	8.228	65	91874	24.492	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 97.960%			
32) Benzene-d6	8.199	84	380701	23.546	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery = 94.200%			
36) 1,2-Dichloropropane-d6	9.205	67	107459	23.175	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery = 92.720%			
41) Toluene-d8	10.269	98	356952	24.118	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery = 96.480%			
43) trans-1,3-Dichloroprop...	10.522	79	52899	25.039	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery = 100.160%			
47) 2-Hexanone-d5	10.875	63	37921	51.206	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 102.420%			
56) 1,1,2,2-Tetrachloroeth...	12.651	84	102017	24.680	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery = 98.720%			
66) 1,2-Dichlorobenzene-d4	13.816	152	120679	23.513	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery = 94.040%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.928	85	79259	21.368	ug/L	97
3) Chloromethane	2.146	50	145409	23.102	ug/L	100
5) Vinyl chloride	2.281	62	168607	22.836	ug/L	99
6) Bromomethane	2.693	94	119459	23.161	ug/L	89
8) Chloroethane	2.834	64	113126	23.347	ug/L	95
9) Trichlorofluoromethane	3.170	101	151729	21.733	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	3.964	101	92808	21.732	ug/L	98
12) 1,1-Dichloroethene	3.940	96	85169	21.929	ug/L	91
13) Acetone	4.017	43	62680	48.666	ug/L	98
14) Carbon disulfide	4.270	76	282151	22.441	ug/L	99
15) Methyl Acetate	4.564	43	42591	24.723	ug/L #	86
16) Methylene chloride	4.799	84	138482	23.525	ug/L	94
17) trans-1,2-Dichloroethene	5.311	96	98872	23.380	ug/L	99
18) Methyl tert-butyl Ether	5.317	73	213103	23.334	ug/L	99
19) 1,1-Dichloroethane	6.105	63	163472	22.926	ug/L	99
20) cis-1,2-Dichloroethene	7.081	96	110927	22.912	ug/L	98
22) 2-Butanone	7.081	43	74169	47.733	ug/L	100
23) Bromochloromethane	7.428	128	55178	23.881	ug/L	98
25) Chloroform	7.593	83	188748	23.707	ug/L	99

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM090123SMA.M
Quant Title : SFAM01.0
QLast Update : Sat Sep 02 01:35:39 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.328	62	112480	23.588	ug/L	97
29) Cyclohexane	7.875	56	116138	21.097	ug/L	98
30) 1,1,1-Trichloroethane	7.793	97	153371	22.412	ug/L	99
31) Carbon tetrachloride	7.987	117	129159	22.312	ug/L	100
33) Benzene	8.246	78	407117	23.151	ug/L	100
34) Trichloroethene	9.028	95	103902	22.283	ug/L	94
35) Methylcyclohexane	9.269	83	152765	21.244	ug/L	100
37) 1,2-Dichloropropane	9.299	63	102548	23.120	ug/L	99
38) Bromodichloromethane	9.587	83	141428	23.112	ug/L	97
39) cis-1,3-Dichloropropene	10.016	75	165613	23.485	ug/L	98
40) 4-Methyl-2-pentanone	10.157	43	120199	49.307	ug/L	99
42) Toluene	10.334	91	449420	23.595	ug/L	100
44) trans-1,3-Dichloropropene	10.552	75	142726	23.673	ug/L	99
45) 1,1,2-Trichloroethane	10.734	97	91011	24.248	ug/L	89
46) Tetrachloroethene	10.810	164	83485	21.901	ug/L	99
48) 2-Hexanone	10.922	43	100925	53.686	ug/L	99
49) Dibromochloromethane	11.069	129	102843	23.460	ug/L	92
50) 1,2-Dibromoethane	11.181	107	87172	23.509	ug/L	90
51) Chlorobenzene	11.604	112	296099	23.249	ug/L	96
52) Ethylbenzene	11.681	91	476934	23.137	ug/L	99
53) m,p-Xylene	11.793	106	188369	23.666	ug/L	95
54) o-Xylene	12.122	106	178741	23.264	ug/L	96
55) Styrene	12.134	104	334291	24.347	ug/L	99
57) 1,1,2,2-Tetrachloroethane	12.669	83	107337	24.314	ug/L	99
59) Bromoform	12.299	173	64644	22.415	ug/L	96
60) Isopropylbenzene	12.422	105	469641	22.788	ug/L	99
61) 1,2,3-Trichloropropane	12.728	75	70552	23.116	ug/L	98
62) 1,3,5-Trimethylbenzene	12.904	105	363150	22.783	ug/L	100
63) 1,2,4-Trimethylbenzene	13.210	105	368137	23.574	ug/L	99
64) 1,3-Dichlorobenzene	13.457	146	220022	22.409	ug/L	96
65) 1,4-Dichlorobenzene	13.540	146	232175	22.635	ug/L	98
67) 1,2-Dichlorobenzene	13.828	146	200592	22.213	ug/L	99
68) 1,2-Dibromo-3-chloropr...	14.445	75	14999	23.498	ug/L	92
69) 1,3,5-Trichlorobenzene	14.593	180	147865	22.853	ug/L	98
70) 1,2,4-trichlorobenzene	15.098	180	123673	22.332	ug/L	99
71) Naphthalene	15.334	128	261883	23.655	ug/L	99
72) 1,2,3-Trichlorobenzene	15.522	180	115915	22.789	ug/L	99

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

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