Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD112923\
Data File : VD077704.D
Acq On : 29 Nov 2023 17:16
Operator : JC/SY
Sample : VSTDICV025
Misc : 5.00G/10ml/MSVOA_D/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VICV108

Quant Time: Nov 30 00:19:01 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM112923SMA.M
Quant Title : SFAM01.0
QLast Update : Thu Nov 30 00:14:03 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	8.781	114	307787	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.587	117	288826	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.522	152	148490	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.281	65	185230	22.068	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 88.280%			
7) Chloroethane-d5	2.805	69	151315	22.617	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 90.480%			
11) 1,1-Dichloroethene-d2	3.928	65	46907	21.553	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery = 86.200%			
21) 2-Butanone-d5	6.993	46	53160	50.112	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 100.220%			
24) Chloroform-d	7.575	84	202178	24.372	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery = 97.480%			
26) 1,2-Dichloroethane-d4	8.234	65	104129	24.775	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 99.080%			
32) Benzene-d6	8.204	84	421930	24.256	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery = 97.040%			
36) 1,2-Dichloropropane-d6	9.216	67	129156	24.335	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery = 97.320%			
41) Toluene-d8	10.275	98	390038	24.360	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery = 97.440%			
43) trans-1,3-Dichloroprop...	10.528	79	57100	24.329	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery = 97.320%			
47) 2-Hexanone-d5	10.881	63	46822	51.195	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 102.400%			
56) 1,1,2,2-Tetrachloroeth...	12.657	84	99465	25.934	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery = 103.720%			
66) 1,2-Dichlorobenzene-d4	13.822	152	124807	23.495	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery = 93.960%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.934	85	120316	24.487	ug/L	99
3) Chloromethane	2.152	50	184840	26.185	ug/L	100
5) Vinyl chloride	2.287	62	214925	24.444	ug/L	99
6) Bromomethane	2.699	94	111017	23.834	ug/L	98
8) Chloroethane	2.840	64	138617	25.256	ug/L	96
9) Trichlorofluoromethane	3.181	101	181435	24.194	ug/L	97
10) 1,1,2-Trichloro-1,2,2-...	3.975	101	110195	24.909	ug/L	99
12) 1,1-Dichloroethene	3.946	96	103347	24.684	ug/L #	83
13) Acetone	4.028	43	73277	53.913	ug/L	98
14) Carbon disulfide	4.275	76	378642	25.520	ug/L	100
15) Methyl Acetate	4.569	43	49143	25.258	ug/L	96
16) Methylene chloride	4.805	84	118367	21.659	ug/L	98
17) trans-1,2-Dichloroethene	5.322	96	112839	25.849	ug/L	97
18) Methyl tert-butyl Ether	5.322	73	249959	25.976	ug/L	100
19) 1,1-Dichloroethane	6.116	63	207810	25.259	ug/L	96
20) cis-1,2-Dichloroethene	7.087	96	120993	24.943	ug/L	98
22) 2-Butanone	7.087	43	79819	52.178	ug/L #	69
23) Bromochloromethane	7.428	128	51625	25.563	ug/L	97
25) Chloroform	7.599	83	204183	25.209	ug/L	97

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM112923SMA.M
Quant Title : SFAM01.0
QLast Update : Thu Nov 30 00:14:03 2023
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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
27) 1,2-Dichloroethane	8.328	62	132789	26.210	ug/L		99
29) Cyclohexane	7.881	56	187838	24.646	ug/L		96
30) 1,1,1-Trichloroethane	7.799	97	172091	24.350	ug/L		100
31) Carbon tetrachloride	7.993	117	155251	24.979	ug/L		100
33) Benzene	8.251	78	470619	25.034	ug/L		100
34) Trichloroethene	9.028	95	117209	25.117	ug/L		98
35) Methylcyclohexane	9.275	83	205729	24.833	ug/L		100
37) 1,2-Dichloropropane	9.304	63	123923	25.283	ug/L		99
38) Bromodichloromethane	9.587	83	151585	25.432	ug/L		97
39) cis-1,3-Dichloropropene	10.022	75	193879	25.330	ug/L		98
40) 4-Methyl-2-pentanone	10.163	43	138970	51.380	ug/L		99
42) Toluene	10.334	91	507910	25.437	ug/L		98
44) trans-1,3-Dichloropropene	10.557	75	165219	25.843	ug/L		100
45) 1,1,2-Trichloroethane	10.734	97	85547	25.988	ug/L		96
46) Tetrachloroethene	10.816	164	89900	23.891	ug/L		98
48) 2-Hexanone	10.922	43	122657	53.353	ug/L		99
49) Dibromochloromethane	11.075	129	95881	24.496	ug/L		90
50) 1,2-Dibromoethane	11.181	107	82098	25.861	ug/L	#	94
51) Chlorobenzene	11.610	112	311990	25.198	ug/L		97
52) Ethylbenzene	11.687	91	561295	25.358	ug/L		96
53) m,p-Xylene	11.792	106	206263	24.661	ug/L		99
54) o-Xylene	12.122	106	202738	25.328	ug/L		95
55) Styrene	12.139	104	360336	25.727	ug/L		98
57) 1,1,2,2-Tetrachloroethane	12.675	83	101180	25.940	ug/L		97
59) Bromoform	12.304	173	60524	24.634	ug/L	#	98
60) Isopropylbenzene	12.422	105	542891	24.495	ug/L		99
61) 1,2,3-Trichloropropane	12.728	75	68972	25.252	ug/L		97
62) 1,3,5-Trimethylbenzene	12.910	105	410230	24.644	ug/L		100
63) 1,2,4-Trimethylbenzene	13.216	105	424872	25.173	ug/L		98
64) 1,3-Dichlorobenzene	13.463	146	238902	24.924	ug/L		98
65) 1,4-Dichlorobenzene	13.539	146	239573	24.087	ug/L		97
67) 1,2-Dichlorobenzene	13.834	146	214592	24.880	ug/L		99
68) 1,2-Dibromo-3-chloropr...	14.451	75	14838	23.039	ug/L		93
69) 1,3,5-Trichlorobenzene	14.598	180	158021	24.211	ug/L		100
70) 1,2,4-trichlorobenzene	15.104	180	135656	24.483	ug/L		98
71) Naphthalene	15.339	128	258682	25.537	ug/L		99
72) 1,2,3-Trichlorobenzene	15.528	180	120999	24.910	ug/L		97

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

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