Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD040423\
Data File : VD075569.D
Acq On : 04 Apr 2023 12:39
Operator : KP/SY
Sample : VSTDCCC025
Misc : 5.00G/10.00ml/MSVOA_D/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VSTD025121

Quant Time: Apr 04 23:38:05 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM033123SMA.M
Quant Title : SFAM01.0
QLast Update : Sat Apr 01 00:08:20 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	8.775	114	358973	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.587	117	399101	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.522	152	215895	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.275	65	242426	29.005	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 116.040%			
7) Chloroethane-d5	2.805	69	218168	29.334	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 117.320%			
11) 1,1-Dichloroethene-d2	3.922	63	185430	27.506	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery = 110.040%#			
21) 2-Butanone-d5	6.981	46	35113	64.512	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 129.020%			
24) Chloroform-d	7.563	84	240556	28.423	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery = 113.680%			
26) 1,2-Dichloroethane-d4	8.228	65	104801	27.943	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 111.760%			
32) Benzene-d6	8.199	84	517419	22.176	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery = 88.720%			
36) 1,2-Dichloropropane-d6	9.210	67	135664	21.818	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery = 87.280%			
41) Toluene-d8	10.269	98	489889	22.391	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery = 89.560%			
43) trans-1,3-Dichloroprop...	10.528	79	59297	22.876	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery = 91.520%			
47) 2-Hexanone-d5	10.875	63	35718	48.542	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 97.080%			
56) 1,1,2,2-Tetrachloroeth...	12.651	84	139315	29.907	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery = 119.640%			
66) 1,2-Dichlorobenzene-d4	13.816	152	193480	26.125	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery = 104.520%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.934	85	79467	23.621	ug/L	99
3) Chloromethane	2.146	50	118107	26.828	ug/L	97
5) Vinyl chloride	2.287	62	174937	25.497	ug/L	100
6) Bromomethane	2.693	94	113994	24.350	ug/L	98
8) Chloroethane	2.840	64	124590	26.065	ug/L	94
9) Trichlorofluoromethane	3.181	101	153734	25.769	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	3.963	101	112652	27.182	ug/L	98
12) 1,1-Dichloroethene	3.940	96	88996	25.994	ug/L	97
13) Acetone	4.016	43	35328	61.888	ug/L	72
14) Carbon disulfide	4.269	76	196805	24.027	ug/L	99
15) Methyl Acetate	4.558	43	29901	31.257	ug/L	100
16) Methylene chloride	4.805	84	120011	24.322	ug/L	98
17) trans-1,2-Dichloroethene	5.316	96	99164	27.283	ug/L	89
18) Methyl tert-butyl Ether	5.316	73	210636	30.479	ug/L	99
19) 1,1-Dichloroethane	6.116	63	169636	27.227	ug/L	99
20) cis-1,2-Dichloroethene	7.075	96	121321	28.426	ug/L	95
22) 2-Butanone	7.081	43	43435	63.878	ug/L	98
23) Bromochloromethane	7.422	128	58332	28.987	ug/L	98
25) Chloroform	7.593	83	209074	28.015	ug/L	98

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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	8.322	62	105300	27.298	ug/L	99
29) Cyclohexane	7.881	56	100247	20.583	ug/L	99
30) 1,1,1-Trichloroethane	7.793	97	167078	21.251	ug/L	99
31) Carbon tetrachloride	7.987	117	137725	21.700	ug/L	100
33) Benzene	8.251	78	429230	20.901	ug/L	100
34) Trichloroethene	9.028	95	111394	19.361	ug/L	98
35) Methylcyclohexane	9.275	83	151227	20.095	ug/L	99
37) 1,2-Dichloropropane	9.304	63	106352	22.012	ug/L	98
38) Bromodichloromethane	9.581	83	154902	22.510	ug/L	100
39) cis-1,3-Dichloropropene	10.016	75	173788	22.685	ug/L	98
40) 4-Methyl-2-pentanone	10.157	43	90936	50.214	ug/L	100
42) Toluene	10.334	91	496183	21.746	ug/L	97
44) trans-1,3-Dichloropropene	10.551	75	146316	22.464	ug/L	100
45) 1,1,2-Trichloroethane	10.734	97	97597	22.012	ug/L	96
46) Tetrachloroethene	10.810	164	88050	19.540	ug/L	99
48) 2-Hexanone	10.922	43	65822	53.930	ug/L	100
49) Dibromochloromethane	11.075	129	112508	23.437	ug/L	98
50) 1,2-Dibromoethane	11.181	107	88238	22.714	ug/L	94
51) Chlorobenzene	11.610	112	398136	25.908	ug/L	97
52) Ethylbenzene	11.687	91	656648	27.367	ug/L	99
53) m,p-Xylene	11.792	106	264694	28.133	ug/L	98
54) o-Xylene	12.122	106	257089	28.696	ug/L	99
55) Styrene	12.140	104	464448	29.094	ug/L	100
57) 1,1,2,2-Tetrachloroethane	12.675	83	135142	29.534	ug/L	92
59) Bromoform	12.298	173	86697	25.966	ug/L	99
60) Isopropylbenzene	12.422	105	680165	23.861	ug/L	100
61) 1,2,3-Trichloropropane	12.728	75	83830	24.532	ug/L	98
62) 1,3,5-Trimethylbenzene	12.904	105	524205	24.380	ug/L	99
63) 1,2,4-Trimethylbenzene	13.216	105	516822	25.136	ug/L	100
64) 1,3-Dichlorobenzene	13.463	146	332665	25.773	ug/L	98
65) 1,4-Dichlorobenzene	13.539	146	338798	25.164	ug/L	97
67) 1,2-Dichlorobenzene	13.834	146	300764	25.727	ug/L	98
68) 1,2-Dibromo-3-chloropr...	14.451	75	17254	25.073	ug/L	91
69) 1,3,5-Trichlorobenzene	14.598	180	207940	26.123	ug/L	99
70) 1,2,4-trichlorobenzene	15.104	180	170898	26.520	ug/L	98
71) Naphthalene	15.333	128	338960	28.449	ug/L	99
72) 1,2,3-Trichlorobenzene	15.522	180	158231	27.412	ug/L	99

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

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