Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD030323\
Data File : VD075447.D
Acq On : 03 Mar 2023 15:22
Operator : KP/SY
Sample : VSTDCCC025EC
Misc : 5.00G/5.00ml/MSVOA_D/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VSTD025105

Manual Integrations APPROVED

Reviewed By :Krupa Patel 03/06/2023
Supervised By :Mahesh Dadoda 03/06/2023

Quant Time: Mar 03 23:24:50 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM030123SMA.M
Quant Title : SFAM01.0
QLast Update : Fri Mar 03 23:23:38 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	8.781	114	297239	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.587	117	267789	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.522	152	137980	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.281	65	144135	19.530	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 78.120%			
7) Chloroethane-d5	2.805	69	138186	21.636	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 86.560%			
11) 1,1-Dichloroethene-d2	3.928	63	155554	22.565	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery = 90.240%			
21) 2-Butanone-d5	6.987	46	31705	46.357	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 92.720%			
24) Chloroform-d	7.569	84	182186	23.388	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery = 93.560%			
26) 1,2-Dichloroethane-d4	8.228	65	77440	22.948	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 91.800%			
32) Benzene-d6	8.205	84	352525	22.167	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery = 88.680%			
36) 1,2-Dichloropropane-d6	9.210	67	100776	22.420	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery = 89.680%			
41) Toluene-d8	10.275	98	329464	22.709	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery = 90.840%			
43) trans-1,3-Dichloroprop...	10.528	79	41173	22.416	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery = 89.680%			
47) 2-Hexanone-d5	10.881	63	31512	48.596	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 97.200%			
56) 1,1,2,2-Tetrachloroeth...	12.657	84	91752	24.403	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery = 97.600%			
66) 1,2-Dichlorobenzene-d4	13.816	152	108046	22.386	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery = 89.560%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.934	85	123269	26.956	ug/L	97
3) Chloromethane	2.152	50	167096	21.728	ug/L	99
5) Vinyl chloride	2.287	62	258631	26.742	ug/L	99
6) Bromomethane	2.699	94	173993	37.959	ug/L	99
8) Chloroethane	2.840	64	173458	28.521	ug/L	97
9) Trichlorofluoromethane	3.181	101	210215	29.035	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	3.969	101	142484	28.488	ug/L	98
12) 1,1-Dichloroethene	3.946	96	119645	27.167	ug/L	93
13) Acetone	4.028	43	41798	54.101	ug/L	94
14) Carbon disulfide	4.275	76	331085	26.885	ug/L	98
15) Methyl Acetate	4.564	43	36688	27.983	ug/L	97
16) Methylene chloride	4.811	84	141601	22.556	ug/L	96
17) trans-1,2-Dichloroethene	5.316	96	130379	27.617	ug/L	98
18) Methyl tert-butyl Ether	5.316	73	244377m	27.854	ug/L	
19) 1,1-Dichloroethane	6.116	63	226404	28.349	ug/L	94
20) cis-1,2-Dichloroethene	7.081	96	151352	28.380	ug/L	99
22) 2-Butanone	7.081	43	52166	53.209	ug/L	95
23) Bromochloromethane	7.428	128	66168	28.961	ug/L	97
25) Chloroform	7.599	83	251324	28.861	ug/L	100

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Quant Title : SFAM01.0
QLast Update : Fri Mar 03 23:23:38 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.328	62	130981	27.892	ug/L	99
29) Cyclohexane	7.881	56	165633	28.907	ug/L	97
30) 1,1,1-Trichloroethane	7.793	97	206538	28.684	ug/L	99
31) Carbon tetrachloride	7.993	117	170459	29.806	ug/L	99
33) Benzene	8.252	78	548590	28.506	ug/L	100
34) Trichloroethene	9.028	95	142146	28.282	ug/L	96
35) Methylcyclohexane	9.275	83	228546	29.128	ug/L	99
37) 1,2-Dichloropropane	9.305	63	134737	28.491	ug/L	100
38) Bromodichloromethane	9.587	83	178762	28.575	ug/L	99
39) cis-1,3-Dichloropropene	10.022	75	206033	28.468	ug/L	97
40) 4-Methyl-2-pentanone	10.163	43	105286	58.054	ug/L	99
42) Toluene	10.334	91	614484	29.166	ug/L	98
44) trans-1,3-Dichloropropene	10.557	75	171973	28.840	ug/L	100
45) 1,1,2-Trichloroethane	10.734	97	110351	29.215	ug/L	98
46) Tetrachloroethene	10.810	164	110076	28.582	ug/L	97
48) 2-Hexanone	10.922	43	78080	58.515	ug/L	99
49) Dibromochloromethane	11.075	129	119939	29.069	ug/L	97
50) 1,2-Dibromoethane	11.181	107	98598	28.878	ug/L	96
51) Chlorobenzene	11.610	112	393752	28.753	ug/L	100
52) Ethylbenzene	11.687	91	665060	29.683	ug/L	99
53) m,p-Xylene	11.798	106	256534	29.060	ug/L	100
54) o-Xylene	12.128	106	250777	30.031	ug/L	96
55) Styrene	12.140	104	448109	30.213	ug/L	98
57) 1,1,2,2-Tetrachloroethane	12.675	83	120639	29.182	ug/L	98
59) Bromoform	12.304	173	70874	28.466	ug/L	97
60) Isopropylbenzene	12.422	105	681222	29.355	ug/L	100
61) 1,2,3-Trichloropropane	12.728	75	78143	28.252	ug/L	98
62) 1,3,5-Trimethylbenzene	12.910	105	512726	29.432	ug/L	99
63) 1,2,4-Trimethylbenzene	13.216	105	501204	29.424	ug/L	100
64) 1,3-Dichlorobenzene	13.463	146	286085	27.869	ug/L	99
65) 1,4-Dichlorobenzene	13.540	146	291775	27.631	ug/L	97
67) 1,2-Dichlorobenzene	13.834	146	253989	27.768	ug/L	98
68) 1,2-Dibromo-3-chloropr...	14.451	75	15601	29.045	ug/L	94
69) 1,3,5-Trichlorobenzene	14.598	180	177042	27.502	ug/L	98
70) 1,2,4-trichlorobenzene	15.104	180	138283	26.717	ug/L	98
71) Naphthalene	15.339	128	280443	27.318	ug/L	99
72) 1,2,3-Trichlorobenzene	15.528	180	124044	27.189	ug/L	97

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

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