Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD112423\
Data File : VD077696.D
Acq On : 24 Nov 2023 17:09
Operator : JC/SY
Sample : VSTDCCC025EC
Misc : 5.00G/10ml/MSVOA_D/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VSTD025222

Quant Time: Nov 27 00:03:46 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM110923SMA.M
Quant Title : SFAM01.0
QLast Update : Mon Nov 27 00:00:09 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	8.781	114	227296	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.581	117	213594	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.516	152	113224	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.276	65	141775	24.520	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 98.080%			
7) Chloroethane-d5	2.805	69	122467	26.961	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 107.840%			
11) 1,1-Dichloroethene-d2	3.917	65	39156	21.900	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery = 87.600%			
21) 2-Butanone-d5	6.987	46	46602	46.552	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 93.100%			
24) Chloroform-d	7.569	84	167030	25.439	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery = 101.760%			
26) 1,2-Dichloroethane-d4	8.234	65	91249	26.126	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 104.520%			
32) Benzene-d6	8.205	84	335429	24.196	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery = 96.800%			
36) 1,2-Dichloropropane-d6	9.210	67	105926	23.458	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery = 93.840%			
41) Toluene-d8	10.269	98	304682	24.322	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery = 97.280%			
43) trans-1,3-Dichloroprop...	10.528	79	46200	23.729	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery = 94.920%			
47) 2-Hexanone-d5	10.875	63	37805	46.801	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 93.600%			
56) 1,1,2,2-Tetrachloroeth...	12.651	84	77858	26.024	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery = 104.080%			
66) 1,2-Dichlorobenzene-d4	13.816	152	97293	24.154	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery = 96.600%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.934	85	65417	17.871	ug/L	100
3) Chloromethane	2.152	50	103399	19.634	ug/L	97
5) Vinyl chloride	2.287	62	121747	20.482	ug/L	95
6) Bromomethane	2.699	94	72782	22.999	ug/L	97
8) Chloroethane	2.840	64	82624	22.359	ug/L	93
9) Trichlorofluoromethane	3.181	101	115870	21.420	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	3.970	101	70161	21.076	ug/L	99
12) 1,1-Dichloroethene	3.940	96	63152	19.538	ug/L #	80
13) Acetone	4.028	43	42211	40.114	ug/L	97
14) Carbon disulfide	4.275	76	190045	16.328	ug/L	97
15) Methyl Acetate	4.564	43	37360	21.581	ug/L #	83
16) Methylene chloride	4.811	84	77289	20.140	ug/L	95
17) trans-1,2-Dichloroethene	5.317	96	69803	20.530	ug/L	100
18) Methyl tert-butyl Ether	5.317	73	180469	22.614	ug/L	99
19) 1,1-Dichloroethane	6.111	63	150328	22.036	ug/L	96
20) cis-1,2-Dichloroethene	7.081	96	82118	22.230	ug/L	97
22) 2-Butanone	7.081	43	49919	39.427	ug/L	97
23) Bromochloromethane	7.428	128	34681	23.365	ug/L	92
25) Chloroform	7.599	83	146695	23.408	ug/L	99

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Quant Title : SFAM01.0
QLast Update : Mon Nov 27 00:00:09 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.328	62	99767	24.015	ug/L	97
29) Cyclohexane	7.881	56	113267	16.332	ug/L	97
30) 1,1,1-Trichloroethane	7.793	97	119818	21.428	ug/L	99
31) Carbon tetrachloride	7.993	117	100855	20.988	ug/L	96
33) Benzene	8.252	78	319120	21.545	ug/L	100
34) Trichloroethene	9.028	95	80093	21.822	ug/L	94
35) Methylcyclohexane	9.275	83	117388	17.724	ug/L	97
37) 1,2-Dichloropropane	9.305	63	90203	21.906	ug/L	100
38) Bromodichloromethane	9.587	83	111189	23.541	ug/L	97
39) cis-1,3-Dichloropropene	10.016	75	138851	21.944	ug/L	97
40) 4-Methyl-2-pentanone	10.157	43	108971	43.427	ug/L	98
42) Toluene	10.334	91	342951	22.053	ug/L	98
44) trans-1,3-Dichloropropene	10.557	75	117703	22.512	ug/L	97
45) 1,1,2-Trichloroethane	10.734	97	61579	24.465	ug/L	98
46) Tetrachloroethene	10.810	164	57048	21.125	ug/L	98
48) 2-Hexanone	10.922	43	77820	39.126	ug/L	96
49) Dibromochloromethane	11.075	129	69785	24.408	ug/L	97
50) 1,2-Dibromoethane	11.181	107	54782	22.759	ug/L	99
51) Chlorobenzene	11.610	112	212511	23.325	ug/L	98
52) Ethylbenzene	11.687	91	379729	22.192	ug/L	100
53) m,p-Xylene	11.793	106	140448	22.556	ug/L	100
54) o-Xylene	12.122	106	137017	22.975	ug/L	100
55) Styrene	12.134	104	249305	23.942	ug/L	95
57) 1,1,2,2-Tetrachloroethane	12.669	83	74441	25.105	ug/L	98
59) Bromoform	12.299	173	43574	22.573	ug/L	97
60) Isopropylbenzene	12.422	105	384010	20.968	ug/L	98
61) 1,2,3-Trichloropropane	12.728	75	52394	21.724	ug/L	99
62) 1,3,5-Trimethylbenzene	12.904	105	285160	20.516	ug/L	97
63) 1,2,4-Trimethylbenzene	13.216	105	295442	20.983	ug/L	98
64) 1,3-Dichlorobenzene	13.457	146	165084	21.972	ug/L	99
65) 1,4-Dichlorobenzene	13.540	146	169056	22.295	ug/L	98
67) 1,2-Dichlorobenzene	13.834	146	150231	22.616	ug/L	93
68) 1,2-Dibromo-3-chloropr...	14.451	75	10812	20.610	ug/L	89
69) 1,3,5-Trichlorobenzene	14.592	180	109345	21.374	ug/L	97
70) 1,2,4-trichlorobenzene	15.098	180	94943	22.020	ug/L	98
71) Naphthalene	15.334	128	179467	22.086	ug/L	98
72) 1,2,3-Trichlorobenzene	15.522	180	84568	23.003	ug/L	98

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

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