Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD111723\
Data File : VD077616.D
Acq On : 17 Nov 2023 16:35
Operator : JC/SY
Sample : VSTDCCC025EC
Misc : 5.00G/10ml/MSVOA_D/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VSTD025214

Quant Time: Nov 18 00:39:14 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM110923SMA.M
Quant Title : SFAM01.0
QLast Update : Sat Nov 18 00:25:31 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	8.775	114	257530	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.581	117	241603	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.516	152	120213	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.275	65	120553	18.402	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 73.600%			
7) Chloroethane-d5	2.805	69	110827	21.534	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 86.120%			
11) 1,1-Dichloroethene-d2	3.922	65	35627	17.587	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery = 70.360%			
21) 2-Butanone-d5	6.993	46	56690	49.981	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 99.960%			
24) Chloroform-d	7.569	84	183283	24.637	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery = 98.560%			
26) 1,2-Dichloroethane-d4	8.234	65	96144	24.296	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 97.200%			
32) Benzene-d6	8.205	84	344135	21.946	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery = 87.800%			
36) 1,2-Dichloropropane-d6	9.210	67	117307	22.967	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery = 91.880%			
41) Toluene-d8	10.269	98	303813	21.441	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery = 85.760%			
43) trans-1,3-Dichloroprop...	10.522	79	46145	20.953	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery = 83.800%			
47) 2-Hexanone-d5	10.875	63	46870	51.296	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 102.600%			
56) 1,1,2,2-Tetrachloroeth...	12.651	84	90697	26.801	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery = 107.200%			
66) 1,2-Dichlorobenzene-d4	13.816	152	101598	23.757	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery = 95.040%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.934	85	89131	21.490	ug/L	99
3) Chloromethane	2.152	50	140978	23.626	ug/L	96
5) Vinyl chloride	2.287	62	159861	23.736	ug/L	98
6) Bromomethane	2.693	94	95806	26.720	ug/L	92
8) Chloroethane	2.840	64	108000	25.794	ug/L	92
9) Trichlorofluoromethane	3.175	101	151479	24.715	ug/L	97
10) 1,1,2-Trichloro-1,2,2-...	3.969	101	87814	23.282	ug/L #	47
12) 1,1-Dichloroethene	3.940	96	86165	23.528	ug/L	98
13) Acetone	4.016	43	47398	39.755	ug/L	98
14) Carbon disulfide	4.275	76	278815	21.143	ug/L	97
15) Methyl Acetate	4.564	43	46260	23.585	ug/L	97
16) Methylene chloride	4.805	84	112476	25.868	ug/L	96
17) trans-1,2-Dichloroethene	5.316	96	95845	24.879	ug/L	96
18) Methyl tert-butyl Ether	5.316	73	231162	25.566	ug/L	100
19) 1,1-Dichloroethane	6.116	63	198952	25.740	ug/L	94
20) cis-1,2-Dichloroethene	7.081	96	109039	26.052	ug/L	98
22) 2-Butanone	7.081	43	62925	43.865	ug/L	99
23) Bromochloromethane	7.428	128	44861	26.675	ug/L	95
25) Chloroform	7.599	83	192250	27.075	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	125718	26.709	ug/L	97
29) Cyclohexane	7.881	56	157616	20.093	ug/L	97
30) 1,1,1-Trichloroethane	7.793	97	156832	24.796	ug/L	97
31) Carbon tetrachloride	7.993	117	130948	24.091	ug/L	97
33) Benzene	8.252	78	421138	25.136	ug/L	100
34) Trichloroethene	9.028	95	101635	24.481	ug/L	93
35) Methylcyclohexane	9.275	83	162113	21.639	ug/L	97
37) 1,2-Dichloropropane	9.304	63	119145	25.580	ug/L	100
38) Bromodichloromethane	9.581	83	137856	25.803	ug/L	96
39) cis-1,3-Dichloropropene	10.016	75	177860	24.850	ug/L	100
40) 4-Methyl-2-pentanone	10.157	43	135666	47.797	ug/L	99
42) Toluene	10.334	91	450130	25.590	ug/L	98
44) trans-1,3-Dichloropropene	10.551	75	148642	25.134	ug/L	99
45) 1,1,2-Trichloroethane	10.734	97	74111	26.030	ug/L	95
46) Tetrachloroethene	10.810	164	73640	24.107	ug/L	97
48) 2-Hexanone	10.922	43	92402	41.071	ug/L	97
49) Dibromochloromethane	11.075	129	87794	27.147	ug/L	98
50) 1,2-Dibromoethane	11.181	107	69585	25.558	ug/L	91
51) Chlorobenzene	11.604	112	270826	26.280	ug/L	98
52) Ethylbenzene	11.687	91	502667	25.971	ug/L	96
53) m,p-Xylene	11.793	106	181723	25.801	ug/L	97
54) o-Xylene	12.122	106	182144	27.002	ug/L	96
55) Styrene	12.134	104	321730	27.316	ug/L	96
57) 1,1,2,2-Tetrachloroethane	12.675	83	91488	27.278	ug/L	98
59) Bromoform	12.298	173	52154	25.446	ug/L	98
60) Isopropylbenzene	12.422	105	487873	25.090	ug/L	99
61) 1,2,3-Trichloropropane	12.722	75	63593	24.835	ug/L	99
62) 1,3,5-Trimethylbenzene	12.904	105	364545	24.702	ug/L	98
63) 1,2,4-Trimethylbenzene	13.210	105	385218	25.769	ug/L	100
64) 1,3-Dichlorobenzene	13.457	146	208656	26.156	ug/L	98
65) 1,4-Dichlorobenzene	13.540	146	209616	26.037	ug/L	96
67) 1,2-Dichlorobenzene	13.834	146	185493	26.301	ug/L	95
68) 1,2-Dibromo-3-chloropr...	14.451	75	13327	23.927	ug/L	94
69) 1,3,5-Trichlorobenzene	14.592	180	140289	25.828	ug/L	99
70) 1,2,4-trichlorobenzene	15.098	180	118269	25.835	ug/L	98
71) Naphthalene	15.334	128	213790	24.780	ug/L	99
72) 1,2,3-Trichlorobenzene	15.522	180	102601	26.286	ug/L	98

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

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