Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD121423\
Data File : VD077872.D
Acq On : 14 Dec 2023 09:57
Operator : RP/MD
Sample : VSTDCCC025
Misc : 5.00G/10ml/MSVOA_D/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VSTD025233

Quant Time: Dec 15 07:11:55 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM112923SMA.M
Quant Title : SFAM01.0
QLast Update : Wed Dec 06 00:24:24 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	8.781	114	272553	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.581	117	252372	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.522	152	127823	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.281	65	141156	18.991	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 75.960%			
7) Chloroethane-d5	2.811	69	132340	22.338	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 89.360%			
11) 1,1-Dichloroethene-d2	3.922	65	36959	19.178	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery = 76.720%			
21) 2-Butanone-d5	6.987	46	44560	47.436	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 94.880%			
24) Chloroform-d	7.569	84	188686	25.686	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery = 102.760%			
26) 1,2-Dichloroethane-d4	8.234	65	89965	24.172	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 96.680%			
32) Benzene-d6	8.205	84	375350	24.695	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery = 98.760%			
36) 1,2-Dichloropropane-d6	9.210	67	113374	24.447	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery = 97.800%			
41) Toluene-d8	10.269	98	336608	24.060	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery = 96.240%			
43) trans-1,3-Dichloroprop...	10.528	79	49000	23.893	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery = 95.560%			
47) 2-Hexanone-d5	10.875	63	40236	50.349	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 100.700%			
56) 1,1,2,2-Tetrachloroeth...	12.651	84	92406	27.574	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery = 110.280%			
66) 1,2-Dichlorobenzene-d4	13.816	152	117906	25.784	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery = 103.120%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.940	85	99018	22.757	ug/L	98
3) Chloromethane	2.152	50	127063	20.327	ug/L	99
5) Vinyl chloride	2.293	62	179716	23.082	ug/L	99
6) Bromomethane	2.705	94	99191	24.048	ug/L	97
8) Chloroethane	2.846	64	113939	23.444	ug/L	100
9) Trichlorofluoromethane	3.187	101	155693	23.445	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	3.981	101	96547	24.645	ug/L	98
12) 1,1-Dichloroethene	3.952	96	88399	23.843	ug/L	93
13) Acetone	4.017	43	49098	40.794	ug/L	77
14) Carbon disulfide	4.281	76	286496	21.805	ug/L	99
15) Methyl Acetate	4.564	43	31866	18.495	ug/L	91
16) Methylene chloride	4.811	84	96048	19.847	ug/L	90
17) trans-1,2-Dichloroethene	5.322	96	94332	24.403	ug/L	96
18) Methyl tert-butyl Ether	5.322	73	186634	21.902	ug/L	98
19) 1,1-Dichloroethane	6.116	63	168895	23.183	ug/L	95
20) cis-1,2-Dichloroethene	7.081	96	101218	23.564	ug/L	92
22) 2-Butanone	7.087	43	49382	36.454	ug/L #	58
23) Bromochloromethane	7.428	128	43282	24.202	ug/L	88
25) Chloroform	7.599	83	171378	23.894	ug/L	89

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QLast Update : Wed Dec 06 00:24:24 2023
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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
27) 1,2-Dichloroethane	8.328	62	101928	22.719	ug/L	#	94
29) Cyclohexane	7.881	56	143826	21.597	ug/L		90
30) 1,1,1-Trichloroethane	7.793	97	151618	24.552	ug/L		98
31) Carbon tetrachloride	7.999	117	132878	24.468	ug/L		99
33) Benzene	8.252	78	389897	23.736	ug/L		100
34) Trichloroethene	9.028	95	99008	24.281	ug/L		99
35) Methylcyclohexane	9.275	83	168917	23.335	ug/L		95
37) 1,2-Dichloropropane	9.304	63	97960	22.873	ug/L		99
38) Bromodichloromethane	9.587	83	120946	23.223	ug/L		96
39) cis-1,3-Dichloropropene	10.016	75	148697	22.233	ug/L		95
40) 4-Methyl-2-pentanone	10.157	43	93246	39.455	ug/L		95
42) Toluene	10.334	91	426950	24.471	ug/L		98
44) trans-1,3-Dichloropropene	10.551	75	128190	22.947	ug/L		99
45) 1,1,2-Trichloroethane	10.734	97	68677	23.876	ug/L		94
46) Tetrachloroethene	10.810	164	79018	24.032	ug/L		98
48) 2-Hexanone	10.922	43	77148	38.405	ug/L	#	96
49) Dibromochloromethane	11.075	129	80858	23.642	ug/L		97
50) 1,2-Dibromoethane	11.181	107	64797	23.359	ug/L		98
51) Chlorobenzene	11.610	112	261405	24.162	ug/L		95
52) Ethylbenzene	11.681	91	463185	23.948	ug/L		100
53) m,p-Xylene	11.793	106	180134	24.648	ug/L		99
54) o-Xylene	12.122	106	168360	24.072	ug/L		93
55) Styrene	12.134	104	304811	24.906	ug/L		98
57) 1,1,2,2-Tetrachloroethane	12.675	83	80276	23.554	ug/L		92
59) Bromoform	12.298	173	50358	23.810	ug/L	#	98
60) Isopropylbenzene	12.422	105	474267	24.859	ug/L		99
61) 1,2,3-Trichloropropane	12.728	75	52216	22.208	ug/L		100
62) 1,3,5-Trimethylbenzene	12.904	105	347684	24.264	ug/L		99
63) 1,2,4-Trimethylbenzene	13.210	105	350245	24.106	ug/L		98
64) 1,3-Dichlorobenzene	13.457	146	200335	24.280	ug/L		98
65) 1,4-Dichlorobenzene	13.540	146	204908	23.933	ug/L		98
67) 1,2-Dichlorobenzene	13.834	146	177714	23.936	ug/L		97
68) 1,2-Dibromo-3-chloropr...	14.445	75	10543	19.017	ug/L		92
69) 1,3,5-Trichlorobenzene	14.592	180	134577	23.953	ug/L		98
70) 1,2,4-trichlorobenzene	15.098	180	111744	23.428	ug/L		97
71) Naphthalene	15.334	128	194159	22.266	ug/L		99
72) 1,2,3-Trichlorobenzene	15.522	180	94426	22.583	ug/L		100

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

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