Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD082523\
Data File : VD077030.D
Acq On : 25 Aug 2023 22:01
Operator : JC/SY
Sample : 04172-13MSD
Misc : 4.11G/10.0ml/MSVOA_D/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
DCHW4MSD

Quant Time: Aug 25 23:58:39 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM080323SMA.M
Quant Title : SFAM01.0
QLast Update : Fri Aug 25 23:54:22 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	8.775	114	236998	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.581	117	243145	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.516	152	136072	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.269	65	121202	18.596	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 74.400%			
7) Chloroethane-d5	2.793	69	129184	21.440	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 85.760%			
11) 1,1-Dichloroethene-d2	3.911	65	29954	19.396	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery = 77.600%			
21) 2-Butanone-d5	6.987	46	53684	51.303	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 102.600%			
24) Chloroform-d	7.569	84	215688	27.948	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery = 111.800%			
26) 1,2-Dichloroethane-d4	8.228	65	106663	27.725	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 110.920%			
32) Benzene-d6	8.199	84	387521	25.349	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery = 101.400%			
36) 1,2-Dichloropropane-d6	9.210	67	124618	26.513	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery = 106.040%			
41) Toluene-d8	10.269	98	362816	25.886	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery = 103.560%			
43) trans-1,3-Dichloroprop...	10.522	79	52804	24.849	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery = 99.400%			
47) 2-Hexanone-d5	10.881	63	48563	54.089	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 108.180%			
56) 1,1,2,2-Tetrachloroeth...	12.651	84	128066	28.197	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery = 112.800%			
66) 1,2-Dichlorobenzene-d4	13.816	152	146203	29.389	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery = 117.560%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.934	85	83936	21.367	ug/L	100
3) Chloromethane	2.146	50	150934	29.616	ug/L	100
5) Vinyl chloride	2.275	62	171864	23.582	ug/L	90
6) Bromomethane	2.687	94	116431	21.402	ug/L	97
8) Chloroethane	2.828	64	119057	24.267	ug/L	98
9) Trichlorofluoromethane	3.169	101	143168	23.726	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	3.958	101	92383	23.496	ug/L	98
12) 1,1-Dichloroethene	3.934	96	83585	23.974	ug/L	82
13) Acetone	4.016	43	42466	39.687	ug/L	97
14) Carbon disulfide	4.263	76	282687	23.361	ug/L	99
15) Methyl Acetate	4.558	43	36915	20.411	ug/L #	85
16) Methylene chloride	4.793	84	134115	26.977	ug/L #	72
17) trans-1,2-Dichloroethene	5.310	96	96087	24.340	ug/L	87
18) Methyl tert-butyl Ether	5.310	73	214785	24.627	ug/L #	94
19) 1,1-Dichloroethane	6.105	63	166182	25.212	ug/L	91
20) cis-1,2-Dichloroethene	7.075	96	112933	25.627	ug/L	90
22) 2-Butanone	7.087	43	54632	36.492	ug/L	79
23) Bromochloromethane	7.428	128	52884	24.742	ug/L #	75
25) Chloroform	7.599	83	187982	26.040	ug/L	96

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM080323SMA.M
Quant Title : SFAM01.0
QLast Update : Fri Aug 25 23:54:22 2023
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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
27) 1,2-Dichloroethane	8.328	62	111749	24.699	ug/L		100
29) Cyclohexane	7.881	56	116683	21.800	ug/L	#	80
30) 1,1,1-Trichloroethane	7.787	97	152346	25.287	ug/L		95
31) Carbon tetrachloride	7.993	117	125297	25.412	ug/L		98
33) Benzene	8.251	78	408375	25.623	ug/L		100
34) Trichloroethene	9.028	95	100041	24.103	ug/L		98
35) Methylcyclohexane	9.275	83	157046	23.202	ug/L		89
37) 1,2-Dichloropropane	9.304	63	102646	25.353	ug/L	#	96
38) Bromodichloromethane	9.581	83	142777	25.609	ug/L		97
39) cis-1,3-Dichloropropene	10.016	75	162589	24.883	ug/L		100
40) 4-Methyl-2-pentanone	10.157	43	107727	42.231	ug/L	#	90
42) Toluene	10.334	91	444506	25.649	ug/L		97
44) trans-1,3-Dichloropropene	10.551	75	138606	24.272	ug/L		99
45) 1,1,2-Trichloroethane	10.734	97	89806	24.959	ug/L		96
46) Tetrachloroethene	10.804	164	79899	25.542	ug/L		86
48) 2-Hexanone	10.922	43	78919	40.230	ug/L	#	88
49) Dibromochloromethane	11.075	129	104832	26.189	ug/L		96
50) 1,2-Dibromoethane	11.181	107	87667	24.981	ug/L		86
51) Chlorobenzene	11.610	112	296827	26.288	ug/L		97
52) Ethylbenzene	11.687	91	476578	25.807	ug/L		99
53) m,p-Xylene	11.792	106	184723	25.924	ug/L		98
54) o-Xylene	12.122	106	183388	26.759	ug/L		99
55) Styrene	12.134	104	336870	27.186	ug/L		90
57) 1,1,2,2-Tetrachloroethane	12.675	83	104543	23.491	ug/L		98
59) Bromoform	12.298	173	64713	23.980	ug/L	#	97
60) Isopropylbenzene	12.422	105	469518	23.992	ug/L		99
61) 1,2,3-Trichloropropane	12.728	75	67805	21.351	ug/L		97
62) 1,3,5-Trimethylbenzene	12.904	105	367495	24.651	ug/L		98
63) 1,2,4-Trimethylbenzene	13.210	105	374866	25.267	ug/L		100
64) 1,3-Dichlorobenzene	13.457	146	225941	25.298	ug/L		98
65) 1,4-Dichlorobenzene	13.539	146	236415	25.609	ug/L		98
67) 1,2-Dichlorobenzene	13.834	146	210921	25.192	ug/L		97
68) 1,2-Dibromo-3-chloropr...	14.445	75	14287	19.634	ug/L	#	81
69) 1,3,5-Trichlorobenzene	14.592	180	144327	25.823	ug/L		99
70) 1,2,4-trichlorobenzene	15.098	180	121570	24.727	ug/L		99
71) Naphthalene	15.333	128	260216	22.510	ug/L		99
72) 1,2,3-Trichlorobenzene	15.522	180	118878	26.662	ug/L		99

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

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