Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW051923\
Data File : VW026013.D
Acq On : 19 May 2023 18:28
Operator : SY/MD
Sample : 02851-03MSD
Misc : 2.93g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
H0FJ2MSD

Quant Time: May 20 05:10:40 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM050123SMA.M
Quant Title : SFAM01.0
QLast Update : Sat May 20 04:57:36 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	8.843	114	649704	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.629	117	529590	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.549	152	194964	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.362	65	170104	18.476	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 73.920%			
7) Chloroethane-d5	2.893	69	163028	23.885	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 95.520%			
11) 1,1-Dichloroethene-d2	4.021	65	89536	19.422	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery = 77.680%			
21) 2-Butanone-d5	7.075	46	102764	33.764	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 67.520%			
24) Chloroform-d	7.648	84	446354	23.826	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery = 95.320%			
26) 1,2-Dichloroethane-d4	8.306	65	236767	22.350	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 89.400%			
32) Benzene-d6	8.270	84	839068	24.247	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery = 97.000%			
36) 1,2-Dichloropropane-d6	9.270	67	281533	25.428	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery = 101.720%			
41) Toluene-d8	10.324	98	704598	22.834	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery = 91.320%			
43) trans-1,3-Dichloroprop...	10.574	79	82240	18.324	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery = 73.280%			
47) 2-Hexanone-d5	10.922	63	67630	35.822	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 71.640%			
56) 1,1,2,2-Tetrachloroeth...	12.690	84	198026	23.466	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery = 93.880%			
66) 1,2-Dichlorobenzene-d4	13.854	152	153901	21.654	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery = 86.600%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.015	85	197037	27.145	ug/L	97
3) Chloromethane	2.228	50	268594	25.097	ug/L	100
5) Vinyl chloride	2.375	62	264130	23.844	ug/L	100
6) Bromomethane	2.789	94	123206	20.449	ug/L	97
8) Chloroethane	2.935	64	175141	27.805	ug/L	99
9) Trichlorofluoromethane	3.265	101	219663	26.275	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	4.069	101	217395	23.911	ug/L	97
12) 1,1-Dichloroethene	4.045	96	213304	24.548	ug/L	93
13) Acetone	4.118	43	174676	64.723	ug/L	98
14) Carbon disulfide	4.386	76	636456	21.659	ug/L	99
15) Methyl Acetate	4.673	43	48707	9.158	ug/L	99
16) Methylene chloride	4.923	84	273618	20.421	ug/L	96
17) trans-1,2-Dichloroethene	5.429	96	231373	24.408	ug/L	98
18) Methyl tert-butyl Ether	5.429	73	369128	25.657	ug/L	99
19) 1,1-Dichloroethane	6.215	63	512068	26.293	ug/L	100
20) cis-1,2-Dichloroethene	7.166	96	259509	25.518	ug/L	98
22) 2-Butanone	7.166	43	187940	50.433	ug/L	97
23) Bromochloromethane	7.514	128	110552	25.660	ug/L	98
25) Chloroform	7.678	83	473449	26.450	ug/L	98

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM050123SMA.M
Quant Title : SFAM01.0
QLast Update : Sat May 20 04:57:36 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.398	62	315973	24.856	ug/L	100
29) Cyclohexane	7.959	56	386539	23.553	ug/L	99
30) 1,1,1-Trichloroethane	7.867	97	362252	27.970	ug/L	99
31) Carbon tetrachloride	8.069	117	286822	24.608	ug/L	98
33) Benzene	8.325	78	1027778	28.051	ug/L	100
34) Trichloroethene	9.093	95	248873	26.470	ug/L	98
35) Methylcyclohexane	9.337	83	317466	18.985	ug/L	100
37) 1,2-Dichloropropane	9.367	63	285319	28.423	ug/L	100
38) Bromodichloromethane	9.642	83	292581	25.405	ug/L	98
39) cis-1,3-Dichloropropene	10.074	75	305750	20.769	ug/L	98
40) 4-Methyl-2-pentanone	10.209	43	332833	50.938	ug/L	99
42) Toluene	10.385	91	1015415	27.123	ug/L	99
44) trans-1,3-Dichloropropene	10.605	75	262602	21.528	ug/L	98
45) 1,1,2-Trichloroethane	10.782	97	180771	26.920	ug/L	98
46) Tetrachloroethene	10.861	164	158579	23.975	ug/L	95
48) 2-Hexanone	10.964	43	243776	52.079	ug/L	93
49) Dibromochloromethane	11.123	129	165903	23.864	ug/L	97
50) 1,2-Dibromoethane	11.233	107	152221	24.590	ug/L	98
51) Chlorobenzene	11.653	112	579254	24.976	ug/L	98
52) Ethylbenzene	11.727	91	1064473	25.277	ug/L	100
53) m,p-Xylene	11.836	106	387430	24.996	ug/L	100
54) o-Xylene	12.165	106	359314	24.595	ug/L	97
55) Styrene	12.178	104	595553	23.818	ug/L	100
57) 1,1,2,2-Tetrachloroethane	12.714	83	196329	23.432	ug/L	100
59) Bromoform	12.348	173	82544	28.583	ug/L	98
60) Isopropylbenzene	12.464	105	936330	31.595	ug/L	99
61) 1,2,3-Trichloropropane	12.763	75	151447	32.868	ug/L	99
62) 1,3,5-Trimethylbenzene	12.940	105	678928	28.924	ug/L	97
63) 1,2,4-Trimethylbenzene	13.245	105	624070	28.811	ug/L	98
64) 1,3-Dichlorobenzene	13.495	146	309804	24.284	ug/L	97
65) 1,4-Dichlorobenzene	13.574	146	322201	24.998	ug/L	98
67) 1,2-Dichlorobenzene	13.866	146	279811	24.593	ug/L	97
68) 1,2-Dibromo-3-chloropr...	14.476	75	28250	26.440	ug/L	94
69) 1,3,5-Trichlorobenzene	14.622	180	143257	16.917	ug/L	94
70) 1,2,4-trichlorobenzene	15.128	180	97278	13.712	ug/L	99
71) Naphthalene	15.360	128	215851	16.120	ug/L	99
72) 1,2,3-Trichlorobenzene	15.549	180	81545	12.954	ug/L	97

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

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