Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD092523\
Data File : VD077218.D
Acq On : 25 Sep 2023 15:51
Operator : JC/SY
Sample : VSTDICV025
Misc : 5.00G/10.0ml/MSVOA_D/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VICV176

Quant Time: Sep 26 00:46:07 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM092523SMA.M
Quant Title : SFAM01.0
QLast Update : Mon Sep 25 23:07:59 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	8.775	114	281693	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.581	117	285877	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.522	152	156062	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.275	65	151626	20.351	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 81.400%			
7) Chloroethane-d5	2.805	69	149041	31.745	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 126.960%			
11) 1,1-Dichloroethene-d2	3.916	65	41641	19.864	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery = 79.440%			
21) 2-Butanone-d5	6.987	46	67150	49.745	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 99.480%			
24) Chloroform-d	7.569	84	246901	23.244	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery = 92.960%			
26) 1,2-Dichloroethane-d4	8.228	65	120769	22.856	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 91.440%			
32) Benzene-d6	8.199	84	475024	22.876	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery = 91.520%			
36) 1,2-Dichloropropane-d6	9.210	67	147186	22.805	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery = 91.200%			
41) Toluene-d8	10.269	98	434041	23.793	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery = 95.160%			
43) trans-1,3-Dichloroprop...	10.528	79	60305	22.978	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery = 91.920%			
47) 2-Hexanone-d5	10.875	63	52049	50.412	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 100.820%			
56) 1,1,2,2-Tetrachloroeth...	12.651	84	144533	24.784	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery = 99.120%			
66) 1,2-Dichlorobenzene-d4	13.816	152	149425	23.226	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery = 92.920%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.934	85	85929	18.758	ug/L	99
3) Chloromethane	2.146	50	144855	24.372	ug/L	99
5) Vinyl chloride	2.281	62	160018	22.606	ug/L	96
6) Bromomethane	2.693	94	109321	25.243	ug/L	98
8) Chloroethane	2.834	64	117232	33.771	ug/L	99
9) Trichlorofluoromethane	3.175	101	172423	23.559	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	3.969	101	114061	21.804	ug/L	97
12) 1,1-Dichloroethene	3.946	96	100516	23.027	ug/L	83
13) Acetone	4.022	43	60872	43.459	ug/L	99
14) Carbon disulfide	4.275	76	272023	23.897	ug/L	96
15) Methyl Acetate	4.563	43	52471	21.936	ug/L	95
16) Methylene chloride	4.799	84	144020	20.530	ug/L	97
17) trans-1,2-Dichloroethene	5.305	96	114259	23.255	ug/L	93
18) Methyl tert-butyl Ether	5.322	73	264661	22.852	ug/L	99
19) 1,1-Dichloroethane	6.116	63	212875	22.988	ug/L	99
20) cis-1,2-Dichloroethene	7.081	96	135758	22.631	ug/L	97
22) 2-Butanone	7.081	43	79887	44.091	ug/L	97
23) Bromochloromethane	7.422	128	64809	22.817	ug/L	87
25) Chloroform	7.593	83	238535	23.278	ug/L	98

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Quant Title : SFAM01.0
QLast Update : Mon Sep 25 23:07:59 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.328	62	137745	22.721	ug/L	100
29) Cyclohexane	7.881	56	137056	23.567	ug/L	99
30) 1,1,1-Trichloroethane	7.793	97	189090	22.833	ug/L	99
31) Carbon tetrachloride	7.993	117	155015	23.160	ug/L	100
33) Benzene	8.251	78	498193	23.604	ug/L	100
34) Trichloroethene	9.028	95	123841	23.252	ug/L	95
35) Methylcyclohexane	9.275	83	168167	22.672	ug/L	97
37) 1,2-Dichloropropane	9.304	63	134916	23.299	ug/L	99
38) Bromodichloromethane	9.587	83	178510	23.197	ug/L	99
39) cis-1,3-Dichloropropene	10.016	75	202348	23.002	ug/L	98
40) 4-Methyl-2-pentanone	10.157	43	155958	47.004	ug/L	98
42) Toluene	10.334	91	542327	23.817	ug/L	99
44) trans-1,3-Dichloropropene	10.557	75	177355	23.323	ug/L	100
45) 1,1,2-Trichloroethane	10.734	97	110130	22.334	ug/L	94
46) Tetrachloroethene	10.810	164	96238	23.036	ug/L	95
48) 2-Hexanone	10.922	43	119427	46.935	ug/L	99
49) Dibromochloromethane	11.075	129	124547	22.692	ug/L	97
50) 1,2-Dibromoethane	11.181	107	105527	22.867	ug/L	94
51) Chlorobenzene	11.610	112	354024	22.890	ug/L	98
52) Ethylbenzene	11.687	91	575065	23.295	ug/L	98
53) m,p-Xylene	11.792	106	222758	23.660	ug/L	90
54) o-Xylene	12.122	106	216549	23.588	ug/L	99
55) Styrene	12.134	104	403295	24.162	ug/L	99
57) 1,1,2,2-Tetrachloroethane	12.675	83	136701	23.189	ug/L	99
59) Bromoform	12.298	173	82400	23.452	ug/L	100
60) Isopropylbenzene	12.422	105	569837	23.369	ug/L	99
61) 1,2,3-Trichloropropane	12.728	75	90121	22.802	ug/L	98
62) 1,3,5-Trimethylbenzene	12.904	105	443650	23.796	ug/L	99
63) 1,2,4-Trimethylbenzene	13.216	105	439086	23.719	ug/L	99
64) 1,3-Dichlorobenzene	13.457	146	271978	22.918	ug/L	98
65) 1,4-Dichlorobenzene	13.539	146	278373	22.447	ug/L	97
67) 1,2-Dichlorobenzene	13.834	146	248339	22.715	ug/L	98
68) 1,2-Dibromo-3-chloropr...	14.451	75	18503	21.880	ug/L	94
69) 1,3,5-Trichlorobenzene	14.592	180	173610	22.253	ug/L	99
70) 1,2,4-trichlorobenzene	15.104	180	148604	22.223	ug/L	98
71) Naphthalene	15.333	128	312148	22.551	ug/L	99
72) 1,2,3-Trichlorobenzene	15.522	180	138011	22.091	ug/L	100

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

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