Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD010925\
Data File : VD080194.D
Acq On : 09 Jan 2025 13:43
Operator : RP/MD
Sample : VSTD00568
Misc : 5.00G/10ml/MSVOA_D/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VSTD005868

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025

Quant Time: Jan 09 19:50:21 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM010925SMA.M
Quant Title : SFAM01.0
QLast Update : Thu Jan 09 19:44:54 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) 1,4-Difluorobenzene	8.781	114	235804	25.000 ug/L	0.00
28) Chlorobenzene-d5	11.587	117	220035	25.000 ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.522	152	105364	25.000 ug/L	0.00
System Monitoring Compounds					
4) Vinyl Chloride-d3	2.275	65	35655	5.156 ug/L	0.00
7) Chloroethane-d5	2.805	69	28564	5.082 ug/L	0.00
11) 1,1-Dichloroethene-d2	3.922	65	7783m	4.656 ug/L	0.00
21) 2-Butanone-d5	6.999	46	8912	11.413 ug/L	0.00
24) Chloroform-d	7.569	84	37228	5.031 ug/L	0.00
26) 1,2-Dichloroethane-d4	8.234	65	19999	5.160 ug/L	0.00
32) Benzene-d6	8.210	84	71713	5.048 ug/L	0.00
36) 1,2-Dichloropropane-d6	9.210	67	25215	5.363 ug/L	0.00
41) Toluene-d8	10.275	98	62527	4.830 ug/L	0.00
43) trans-1,3-Dichloroprop...	10.528	79	9072	4.723 ug/L	0.00
47) 2-Hexanone-d5	10.881	63	5487	9.365 ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	12.651	84	18305	5.196 ug/L	0.00
66) 1,2-Dichlorobenzene-d4	13.816	152	20644	5.212 ug/L	0.00
Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.940	85	26282	5.616 ug/L	100
3) Chloromethane	2.152	50	36625	5.740 ug/L	99
5) Vinyl chloride	2.287	62	43871	5.604 ug/L	96
6) Bromomethane	2.693	94	24544	5.383 ug/L	85
8) Chloroethane	2.840	64	26621	5.544 ug/L	92
9) Trichlorofluoromethane	3.181	101	35768	5.499 ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	3.975	101	20070	5.408 ug/L #	46
12) 1,1-Dichloroethene	3.940	96	17284	5.217 ug/L	86
13) Acetone	4.028	43	7567	11.957 ug/L	85
14) Carbon disulfide	4.275	76	66445	5.382 ug/L	100
15) Methyl Acetate	4.581	43	9124m	5.863 ug/L	
16) Methylene chloride	4.811	84	21878	5.465 ug/L	99
17) trans-1,2-Dichloroethene	5.322	96	18158	5.010 ug/L	87
18) Methyl tert-butyl Ether	5.322	73	33228	4.839 ug/L #	68
19) 1,1-Dichloroethane	6.128	63	37306	5.362 ug/L	99
20) cis-1,2-Dichloroethene	7.081	96	18376m	4.849 ug/L	
22) 2-Butanone	7.087	43	9310m	10.335 ug/L	
23) Bromochloromethane	7.440	128	9621	5.238 ug/L	89
25) Chloroform	7.599	83	42161	5.468 ug/L	85
27) 1,2-Dichloroethane	8.328	62	23934	5.321 ug/L	98
29) Cyclohexane	7.881	56	25799	4.660 ug/L	96
30) 1,1,1-Trichloroethane	7.793	97	31732	5.443 ug/L	99
31) Carbon tetrachloride	7.999	117	27160	5.279 ug/L	99
33) Benzene	8.257	78	77643	5.189 ug/L	100
34) Trichloroethene	9.034	95	20610	5.319 ug/L	95
35) Methylcyclohexane	9.281	83	27738	4.814 ug/L	98
37) 1,2-Dichloropropane	9.310	63	21159	5.191 ug/L	99
38) Bromodichloromethane	9.587	83	26924	5.268 ug/L	88
39) cis-1,3-Dichloropropene	10.022	75	27271	4.733 ug/L	96
40) 4-Methyl-2-pentanone	10.163	43	20200	10.095 ug/L	98
42) Toluene	10.334	91	75539	4.832 ug/L	99
44) trans-1,3-Dichloropropene	10.557	75	23495	4.722 ug/L	97

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
45) 1,1,2-Trichloroethane	10.734	97	16259	5.463	ug/L		93
46) Tetrachloroethene	10.810	164	16283	5.215	ug/L		98
48) 2-Hexanone	10.922	43	12603	9.451	ug/L		97
49) Dibromochloromethane	11.075	129	17245	5.203	ug/L		93
50) 1,2-Dibromoethane	11.181	107	14362	5.310	ug/L	#	99
51) Chlorobenzene	11.610	112	51130	5.102	ug/L		97
52) Ethylbenzene	11.687	91	78814	4.699	ug/L		95
53) m,p-Xylene	11.793	106	29616	4.724	ug/L		95
54) o-Xylene	12.122	106	26402	4.502	ug/L		98
55) Styrene	12.140	104	47186	4.443	ug/L		98
57) 1,1,2,2-Tetrachloroethane	12.675	83	17761	5.264	ug/L		84
59) Bromoform	12.298	173	10568	5.590	ug/L		97
60) Isopropylbenzene	12.422	105	72915	4.962	ug/L		99
61) 1,2,3-Trichloropropane	12.728	75	12447	5.587	ug/L		98
62) 1,3,5-Trimethylbenzene	12.904	105	55077	4.703	ug/L		100
63) 1,2,4-Trimethylbenzene	13.216	105	52836	4.625	ug/L		99
64) 1,3-Dichlorobenzene	13.463	146	38119	5.303	ug/L		95
65) 1,4-Dichlorobenzene	13.540	146	40276	5.427	ug/L		98
67) 1,2-Dichlorobenzene	13.834	146	33894	5.264	ug/L		97
68) 1,2-Dibromo-3-chloropr...	14.445	75	2567	5.274	ug/L		88
69) 1,3,5-Trichlorobenzene	14.592	180	26081	5.336	ug/L		99
70) 1,2,4-trichlorobenzene	15.104	180	19857	4.978	ug/L		97
71) Naphthalene	15.339	128	33520	4.776	ug/L		98
72) 1,2,3-Trichlorobenzene	15.528	180	19011	5.132	ug/L		98

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

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