Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD061324\
Data File : VD079186.D
Acq On : 13 Jun 2024 18:40
Operator : RP/MD
Sample : VSTDCCC025EC
Misc : 5.00G/10ml/MSVOA_D/SOIL/A
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VSTD025897

Quant Time: Jun 14 04:50:36 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM052924SMA.M
Quant Title : SFAM01.0
QLast Update : Fri Jun 14 04:47:47 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	8.775	114	176472	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.581	117	178711	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.516	152	92866	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.270	65	89986	16.570	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 66.280%			
7) Chloroethane-d5	2.793	69	83708	15.941	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 63.760%			
11) 1,1-Dichloroethene-d2	3.911	65	15923	16.517	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery = 66.080%			
21) 2-Butanone-d5	6.987	46	23662	56.966	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 113.940%			
24) Chloroform-d	7.563	84	100140	20.295	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery = 81.160%			
26) 1,2-Dichloroethane-d4	8.228	65	48284	21.212	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 84.840%			
32) Benzene-d6	8.199	84	188013	18.978	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery = 75.920%			
36) 1,2-Dichloropropane-d6	9.210	67	57207	20.046	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery = 80.200%			
41) Toluene-d8	10.263	98	171149	18.450	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery = 73.800%			
43) trans-1,3-Dichloroprop...	10.522	79	23958	19.973	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery = 79.880%			
47) 2-Hexanone-d5	10.875	63	21459	58.166	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 116.340%			
56) 1,1,2,2-Tetrachloroeth...	12.646	84	66690	26.383	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery = 105.520%			
66) 1,2-Dichlorobenzene-d4	13.810	152	63799	19.906	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery = 79.640%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.934	85	42789	15.317	ug/L	98
3) Chloromethane	2.146	50	82571	22.177	ug/L	100
5) Vinyl chloride	2.275	62	120040	19.533	ug/L	99
6) Bromomethane	2.681	94	69650	14.681	ug/L	100
8) Chloroethane	2.828	64	82549	18.327	ug/L	98
9) Trichlorofluoromethane	3.164	101	95535	20.407	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	3.952	101	52923	18.852	ug/L	98
12) 1,1-Dichloroethene	3.934	96	44069	18.032	ug/L	85
13) Acetone	4.017	43	26383	43.873	ug/L	100
14) Carbon disulfide	4.264	76	141358	16.580	ug/L	98
15) Methyl Acetate	4.558	43	20531	25.058	ug/L	94
16) Methylene chloride	4.799	84	89129	28.345	ug/L	94
17) trans-1,2-Dichloroethene	5.305	96	51046	19.327	ug/L	97
18) Methyl tert-butyl Ether	5.311	73	108550	23.173	ug/L #	89
19) 1,1-Dichloroethane	6.105	63	90715	21.333	ug/L	93
20) cis-1,2-Dichloroethene	7.075	96	59375	21.590	ug/L	93
22) 2-Butanone	7.087	43	30292	47.952	ug/L	94
23) Bromochloromethane	7.428	128	30341	21.761	ug/L	95
25) Chloroform	7.593	83	104825	21.712	ug/L	92

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Quant Title : SFAM01.0
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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
27) 1,2-Dichloroethane	8.328	62	62629	22.347	ug/L		98
29) Cyclohexane	7.869	56	56028	17.376	ug/L		96
30) 1,1,1-Trichloroethane	7.787	97	86383	20.416	ug/L	#	80
31) Carbon tetrachloride	7.987	117	78086	19.860	ug/L		99
33) Benzene	8.252	78	222286	20.884	ug/L		100
34) Trichloroethene	9.028	95	55785	20.349	ug/L		96
35) Methylcyclohexane	9.269	83	79168	17.428	ug/L		98
37) 1,2-Dichloropropane	9.299	63	58033	22.259	ug/L		98
38) Bromodichloromethane	9.581	83	79485	21.931	ug/L		93
39) cis-1,3-Dichloropropene	10.016	75	85333	20.967	ug/L		97
40) 4-Methyl-2-pentanone	10.157	43	57822	53.128	ug/L		96
42) Toluene	10.334	91	245582	20.778	ug/L		99
44) trans-1,3-Dichloropropene	10.552	75	77044	22.386	ug/L		96
45) 1,1,2-Trichloroethane	10.734	97	51275	22.418	ug/L		97
46) Tetrachloroethene	10.804	164	45401	18.808	ug/L		96
48) 2-Hexanone	10.922	43	46475	49.349	ug/L		98
49) Dibromochloromethane	11.069	129	60565	22.360	ug/L		95
50) 1,2-Dibromoethane	11.175	107	48852	23.240	ug/L		94
51) Chlorobenzene	11.604	112	163404	20.778	ug/L		98
52) Ethylbenzene	11.681	91	254851	20.671	ug/L		98
53) m,p-Xylene	11.793	106	101117	20.905	ug/L		100
54) o-Xylene	12.122	106	96380	20.624	ug/L		95
55) Styrene	12.134	104	185651	22.405	ug/L		96
57) 1,1,2,2-Tetrachloroethane	12.669	83	64642	25.248	ug/L		98
59) Bromoform	12.293	173	38626	22.694	ug/L		97
60) Isopropylbenzene	12.416	105	251091	20.448	ug/L		99
61) 1,2,3-Trichloropropane	12.722	75	41458	25.286	ug/L		98
62) 1,3,5-Trimethylbenzene	12.904	105	165565	19.720	ug/L		98
63) 1,2,4-Trimethylbenzene	13.210	105	180939	20.149	ug/L		97
64) 1,3-Dichlorobenzene	13.457	146	121517	20.600	ug/L		98
65) 1,4-Dichlorobenzene	13.534	146	126122	20.178	ug/L		96
67) 1,2-Dichlorobenzene	13.828	146	116960	21.448	ug/L		96
68) 1,2-Dibromo-3-chloropr...	14.445	75	8525	25.293	ug/L	#	88
69) 1,3,5-Trichlorobenzene	14.592	180	72307	19.435	ug/L		100
70) 1,2,4-trichlorobenzene	15.098	180	57752	18.690	ug/L		97
71) Naphthalene	15.328	128	131230	22.709	ug/L		99
72) 1,2,3-Trichlorobenzene	15.516	180	57511	21.535	ug/L		99

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

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