Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD062024\
Data File : VD079221.D
Acq On : 20 Jun 2024 17:41
Operator : RP/MD
Sample : VSTDCCC025EC
Misc : 5.00G/10ml/MSVOA_D/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VSTD025904

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 06/24/2024
Supervised By :Semsettin Yesilyurt 06/24/2024

Quant Time: Jun 21 04:24:22 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM052924SMA.M
Quant Title : SFAM01.0
QLast Update : Fri Jun 21 04:13:10 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	8.775	114	187438	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.575	117	208136	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.510	152	104039	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.269	65	106174	18.407	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 73.640%			
7) Chloroethane-d5	2.787	69	105401	18.898	ug/L	-0.01
Spiked Amount 25.000	Range 30 - 150		Recovery = 75.600%			
11) 1,1-Dichloroethene-d2	3.910	65	16995	16.597	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery = 66.400%			
21) 2-Butanone-d5	6.975	46	25212m	57.147	ug/L	-0.01
Spiked Amount 50.000	Range 20 - 135		Recovery = 114.300%			
24) Chloroform-d	7.563	84	111941	21.359	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery = 85.440%			
26) 1,2-Dichloroethane-d4	8.222	65	55732	23.052	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 92.200%			
32) Benzene-d6	8.198	84	219184	18.996	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery = 76.000%			
36) 1,2-Dichloropropane-d6	9.204	67	62447	18.789	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery = 75.160%			
41) Toluene-d8	10.269	98	206053	19.073	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery = 76.280%			
43) trans-1,3-Dichloroprop...	10.522	79	29506	21.121	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery = 84.480%			
47) 2-Hexanone-d5	10.875	63	23249	54.108	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 108.220%			
56) 1,1,2,2-Tetrachloroeth...	12.645	84	69063	23.459	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery = 93.840%			
66) 1,2-Dichlorobenzene-d4	13.810	152	78246	21.792	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery = 87.160%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.934	85	62301	20.997	ug/L	98
3) Chloromethane	2.146	50	112302	28.397	ug/L	98
5) Vinyl chloride	2.275	62	163141	24.994	ug/L	96
6) Bromomethane	2.681	94	102670	20.375	ug/L	97
8) Chloroethane	2.828	64	115551	24.153	ug/L	93
9) Trichlorofluoromethane	3.163	101	108692	21.859	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	3.957	101	69981	23.470	ug/L	98
12) 1,1-Dichloroethene	3.928	96	60504	23.308	ug/L	93
13) Acetone	4.022	43	31794	49.778	ug/L	65
14) Carbon disulfide	4.263	76	211191	23.322	ug/L	99
15) Methyl Acetate	4.557	43	25313	29.087	ug/L	95
16) Methylene chloride	4.787	84	86772	25.981	ug/L	92
17) trans-1,2-Dichloroethene	5.304	96	70740	25.217	ug/L	99
18) Methyl tert-butyl Ether	5.316	73	142815	28.704	ug/L #	80
19) 1,1-Dichloroethane	6.104	63	114938	25.448	ug/L #	96
20) cis-1,2-Dichloroethene	7.075	96	78100	26.737	ug/L	96
22) 2-Butanone	7.069	43	37165	55.390	ug/L	95
23) Bromochloromethane	7.422	128	43406	29.310	ug/L #	92
25) Chloroform	7.593	83	133230	25.981	ug/L	95

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Instrument :
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ClientSampleId :
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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
27) 1,2-Dichloroethane	8.322	62	82507	27.717	ug/L		95
29) Cyclohexane	7.875	56	78834	20.993	ug/L		98
30) 1,1,1-Trichloroethane	7.787	97	109280	22.176	ug/L		98
31) Carbon tetrachloride	7.987	117	101863	22.245	ug/L		97
33) Benzene	8.245	78	294915	23.790	ug/L		100
34) Trichloroethene	9.022	95	71681	22.450	ug/L		96
35) Methylcyclohexane	9.269	83	110384	20.865	ug/L		98
37) 1,2-Dichloropropane	9.298	63	75078	24.726	ug/L		99
38) Bromodichloromethane	9.581	83	103425	24.502	ug/L		95
39) cis-1,3-Dichloropropene	10.016	75	114101	24.072	ug/L		94
40) 4-Methyl-2-pentanone	10.157	43	74736	58.961	ug/L		97
42) Toluene	10.328	91	332681	24.168	ug/L		95
44) trans-1,3-Dichloropropene	10.551	75	114172	28.484	ug/L		95
45) 1,1,2-Trichloroethane	10.728	97	70493	26.463	ug/L		97
46) Tetrachloroethene	10.804	164	64369	22.896	ug/L		97
48) 2-Hexanone	10.916	43	59512	54.258	ug/L		99
49) Dibromochloromethane	11.069	129	82678	26.209	ug/L		95
50) 1,2-Dibromoethane	11.175	107	65434	26.727	ug/L	#	98
51) Chlorobenzene	11.604	112	230499	25.166	ug/L		99
52) Ethylbenzene	11.681	91	357461	24.895	ug/L		98
53) m,p-Xylene	11.786	106	141349	25.091	ug/L		97
54) o-Xylene	12.116	106	137744	25.308	ug/L		95
55) Styrene	12.133	104	259887	26.930	ug/L		93
57) 1,1,2,2-Tetrachloroethane	12.669	83	83632	28.047	ug/L		99
59) Bromoform	12.298	173	53534	28.075	ug/L		99
60) Isopropylbenzene	12.416	105	348967	25.367	ug/L		100
61) 1,2,3-Trichloropropane	12.722	75	54995	29.940	ug/L		98
62) 1,3,5-Trimethylbenzene	12.898	105	236227	25.115	ug/L		97
63) 1,2,4-Trimethylbenzene	13.210	105	265715	26.412	ug/L		99
64) 1,3-Dichlorobenzene	13.451	146	173684	26.281	ug/L		97
65) 1,4-Dichlorobenzene	13.533	146	183856	26.256	ug/L		96
67) 1,2-Dichlorobenzene	13.828	146	162781	26.645	ug/L		99
68) 1,2-Dibromo-3-chloropr...	14.439	75	11196	29.651	ug/L	#	83
69) 1,3,5-Trichlorobenzene	14.586	180	106271	25.496	ug/L		99
70) 1,2,4-trichlorobenzene	15.092	180	89269	25.788	ug/L		98
71) Naphthalene	15.327	128	193472	29.885	ug/L		100
72) 1,2,3-Trichlorobenzene	15.516	180	87341	29.193	ug/L		96

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

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