Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV061924\
Data File : VV036142.D
Acq On : 19 Jun 2024 17:04
Operator : SY/MD
Sample : P2909-24DL 2X
Misc : 5.00g/10.0mL/MSVOA_V/SOIL/B
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
A4DJ5DL

Quant Time: Jun 20 05:17:16 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM053024SMA.M
Quant Title : VOC Analysis
QLast Update : Thu Jun 20 05:02:48 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	5.532	114	316440	25.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	337438	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.182	152	180680	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.272	65	123016	21.145	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 84.560%			
7) Chloroethane-d5	1.526	69	106049	22.861	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 91.440%			
11) 1,1-Dichloroethene-d2	2.050	65	58963	22.766	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery = 91.080%			
21) 2-Butanone-d5	3.822	46	78434	58.761	ug/L	-0.02
Spiked Amount 50.000	Range 20 - 135		Recovery = 117.520%			
24) Chloroform-d	4.243	84	251726	25.022	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery = 100.080%			
26) 1,2-Dichloroethane-d4	4.937	65	137515	26.071	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 104.280%			
32) Benzene-d6	4.957	84	441814	22.027	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery = 88.120%			
36) 1,2-Dichloropropane-d6	5.986	67	151297	23.953	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery = 95.800%			
41) Toluene-d8	7.240	98	418654	23.656	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery = 94.640%			
43) trans-1,3-Dichloroprop...	7.551	79	62554	24.153	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery = 96.600%			
47) 2-Hexanone-d5	8.031	63	51038	59.638	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 119.280%			
56) 1,1,2,2-Tetrachloroeth...	10.153	84	121788	25.802	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery = 103.200%			
66) 1,2-Dichlorobenzene-d4	11.558	152	150909	22.776	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery = 91.120%			
Target Compounds						Qvalue
12) 1,1-Dichloroethene	2.060	96	155718	30.730	ug/L	94
13) Acetone	2.140	43	25828	12.422	ug/L	77
16) Methylene chloride	2.439	84	179654	25.090	ug/L	99
17) trans-1,2-Dichloroethene	2.687	96	115766	21.506	ug/L	97
18) Methyl tert-butyl Ether	2.706	73	158589	13.124	ug/L	97
19) 1,1-Dichloroethane	3.105	63	222511	21.706	ug/L	99
20) cis-1,2-Dichloroethene	3.809	96	243738	45.063	ug/L	99
22) 2-Butanone	3.892	43	200358	113.564	ug/L #	78
25) Chloroform	4.269	83	393565	37.323	ug/L	100
27) 1,2-Dichloroethane	5.040	62	94385	14.337	ug/L	98
31) Carbon tetrachloride	4.728	117	168097	20.771	ug/L	100
33) Benzene	5.005	78	423414	19.186	ug/L	100
34) Trichloroethene	5.831	95	122202	18.067	ug/L	99
37) 1,2-Dichloropropane	6.095	63	41025	7.079	ug/L	99
38) Bromodichloromethane	6.429	83	298479	38.914	ug/L	99
39) cis-1,3-Dichloropropene	6.950	75	343973	39.686	ug/L	99
40) 4-Methyl-2-pentanone	7.159	43	177753	56.458	ug/L	99
42) Toluene	7.314	91	378991	16.806	ug/L	99
44) trans-1,3-Dichloropropene	7.580	75	180826	24.154	ug/L	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	7.770	97	65585	13.678	ug/L	99
46) Tetrachloroethene	7.902	164	119715	24.200	ug/L	98
48) 2-Hexanone	8.079	43	158314	64.319	ug/L	97
49) Dibromochloromethane	8.175	129	236145	45.000	ug/L	98
50) 1,2-Dibromoethane	8.281	107	175513	38.148	ug/L	99
51) Chlorobenzene	8.815	112	123460	8.035	ug/L	99
52) Ethylbenzene	8.944	91	479686	19.881	ug/L	100
53) m,p-Xylene	9.069	106	385205	42.490	ug/L	97
54) o-Xylene	9.477	106	154182	18.034	ug/L	97
55) Styrene	9.494	104	470822	31.229	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.175	83	70386	16.394	ug/L	99
59) Bromoform	9.664	173	45102	13.237	ug/L	99
61) 1,2,3-Trichloropropane	10.207	75	131795	30.842	ug/L	96
64) 1,3-Dichlorobenzene	11.114	146	494533	40.624	ug/L	99
65) 1,4-Dichlorobenzene	11.207	146	332817	26.488	ug/L	98
67) 1,2-Dichlorobenzene	11.577	146	158773	13.860	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.362	75	22328	23.367	ug/L	94
70) 1,2,4-trichlorobenzene	13.198	180	79739	11.122	ug/L	99

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

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