Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV071124\
Data File : VV036489.D
Acq On : 11 Jul 2024 10:27
Operator : SY/MD
Sample : VSTD2.513
Misc : 5.00g/10.0mL/MSVOA_V/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD2.5213

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 07/15/2024
Supervised By :Mahesh Dadoda 07/15/2024

Quant Time: Jul 12 01:09:44 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM071124SMA.M
Quant Title : VOC Analysis
QLast Update : Fri Jul 12 01:09:21 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Difluorobenzene	5.529	114	275188	25.000	ug/L		0.00
28) Chlorobenzene-d5	8.780	117	285267	25.000	ug/L		0.00
58) 1,4-Dichlorobenzene-d4	11.182	152	141967	25.000	ug/L		0.00
System Monitoring Compounds							
4) Vinyl Chloride-d3	1.272	65	10534	2.672	ug/L		0.00
7) Chloroethane-d5	1.529	69	9440	2.739	ug/L		0.00
11) 1,1-Dichloroethene-d2	2.050	65	5616	2.774	ug/L		0.00
21) 2-Butanone-d5	3.944	46	2856m	4.233	ug/L		0.09
24) Chloroform-d	4.246	84	22007	2.747	ug/L		0.00
26) 1,2-Dichloroethane-d4	4.954	65	10727	2.700	ug/L		0.02
32) Benzene-d6	4.960	84	34821	2.447	ug/L		0.00
36) 1,2-Dichloropropane-d6	5.992	67	11126	2.356	ug/L		0.00
41) Toluene-d8	7.246	98	28619	2.179	ug/L		0.00
43) trans-1,3-Dichloroprop...	7.564	79	3919	2.222	ug/L		0.01
47) 2-Hexanone-d5	8.066	63	1468m	3.044	ug/L		0.04
56) 1,1,2,2-Tetrachloroeth...	10.153	84	10056	2.815	ug/L		0.00
66) 1,2-Dichlorobenzene-d4	11.561	152	13460	2.794	ug/L		0.00
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.102	85	12964	3.251	ug/L		99
3) Chloromethane	1.211	50	10831	3.384	ug/L		100
5) Vinyl chloride	1.278	62	12206	3.099	ug/L		97
6) Bromomethane	1.484	94	10234	3.221	ug/L		99
8) Chloroethane	1.545	64	8408	3.086	ug/L		92
9) Trichlorofluoromethane	1.706	101	21017	3.007	ug/L		99
10) 1,1,2-Trichloro-1,2,2-...	2.060	101	14385	3.052	ug/L		99
12) 1,1-Dichloroethene	2.063	96	12819	3.153	ug/L		79
13) Acetone	2.163	43	6918m	6.102	ug/L		
14) Carbon disulfide	2.233	76	31170	3.415	ug/L		100
15) Methyl Acetate	2.388	43	3974m	3.149	ug/L		
16) Methylene chloride	2.442	84	21351	3.772	ug/L		95
17) trans-1,2-Dichloroethene	2.690	96	10948	2.963	ug/L		94
18) Methyl tert-butyl Ether	2.703	73	20007	2.417	ug/L		97
19) 1,1-Dichloroethane	3.105	63	18761	2.806	ug/L		100
20) cis-1,2-Dichloroethene	3.822	96	9787	2.507	ug/L		99
22) 2-Butanone	4.027	43	3970m	5.364	ug/L		
23) Bromochloromethane	4.153	128	5900	2.705	ug/L		94
25) Chloroform	4.275	83	22020	2.773	ug/L		100
27) 1,2-Dichloroethane	5.050	62	10957	2.457	ug/L	#	92
29) Cyclohexane	4.574	56	9091	2.505	ug/L	#	91
30) 1,1,1-Trichloroethane	4.507	97	18845	2.842	ug/L		99
31) Carbon tetrachloride	4.728	117	16993	2.889	ug/L		100
33) Benzene	5.011	78	36412	2.579	ug/L		100
34) Trichloroethene	5.838	95	11997	2.671	ug/L		95
35) Methylcyclohexane	6.043	83	12664	2.470	ug/L		95
37) 1,2-Dichloropropane	6.092	63	8620	2.419	ug/L	#	94
38) Bromodichloromethane	6.436	83	15476	2.741	ug/L		95
39) cis-1,3-Dichloropropene	6.963	75	12223	2.225	ug/L		95
40) 4-Methyl-2-pentanone	7.175	43	7387m	4.800	ug/L		
42) Toluene	7.317	91	33029	2.208	ug/L		98
44) trans-1,3-Dichloropropene	7.593	75	10550	2.154	ug/L		97

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
45) 1,1,2-Trichloroethane	7.773	97	9183	2.616	ug/L		95
46) Tetrachloroethene	7.905	164	9852	2.712	ug/L		95
48) 2-Hexanone	8.108	43	5443m	4.511	ug/L		
49) Dibromochloromethane	8.175	129	11100	2.615	ug/L		98
50) 1,2-Dibromoethane	8.288	107	8423	2.556	ug/L		99
51) Chlorobenzene	8.815	112	29090	2.597	ug/L		98
52) Ethylbenzene	8.947	91	33967	2.117	ug/L		98
53) m,p-Xylene	9.076	106	12071	1.954	ug/L		90
54) o-Xylene	9.477	106	11477	1.951	ug/L		96
55) Styrene	9.500	104	18740m	1.793	ug/L		
57) 1,1,2,2-Tetrachloroethane	10.178	83	8680	2.708	ug/L		98
59) Bromoform	9.667	173	6823	2.712	ug/L	#	92
60) Isopropylbenzene	9.863	105	30751	2.168	ug/L		98
61) 1,2,3-Trichloropropane	10.214	75	7186	2.845	ug/L		95
62) 1,3,5-Trimethylbenzene	10.474	105	20768	2.045	ug/L		94
63) 1,2,4-Trimethylbenzene	10.850	105	21293	1.927	ug/L		99
64) 1,3-Dichlorobenzene	11.117	146	21509	2.565	ug/L		97
65) 1,4-Dichlorobenzene	11.207	146	25056	2.783	ug/L		99
67) 1,2-Dichlorobenzene	11.580	146	21003	2.607	ug/L		100
68) 1,2-Dibromo-3-chloropr...	12.368	75	1448	2.650	ug/L		90
69) 1,3,5-Trichlorobenzene	12.583	180	16459	2.535	ug/L		98
70) 1,2,4-trichlorobenzene	13.201	180	12439	2.409	ug/L		99
71) Naphthalene	13.442	128	16247	2.095	ug/L		98
72) 1,2,3-Trichlorobenzene	13.680	180	11151	2.283	ug/L		96

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

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