Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV121923\
Data File : VV033495.D
Acq On : 19 Dec 2023 21:55
Operator : SY/MD
Sample : VSTDCCC050EC
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD050371

Quant Time: Dec 20 00:31:28 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM121523WMA.M
Quant Title : VOC Analysis
QLast Update : Wed Dec 20 00:24:21 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	5.532	114	298777	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	302317	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.185	152	162259	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	116010	50.420	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery = 100.840%			
7) Chloroethane-d5	1.532	69	96448	46.710	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 93.420%			
11) 1,1-Dichloroethene-d2	2.060	65	49820	43.497	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 87.000%			
21) 2-Butanone-d5	3.783	46	114874	99.063	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery = 99.060%			
24) Chloroform-d	4.249	84	205087	45.061	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 90.120%			
26) 1,2-Dichloroethane-d4	4.941	65	129651	46.372	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 92.740%			
32) Benzene-d6	4.960	84	389095	47.786	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 95.580%			
36) 1,2-Dichloropropane-d6	5.989	67	119058	48.178	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery = 96.360%			
41) Toluene-d8	7.243	98	350466	47.040	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 94.080%			
43) trans-1,3-Dichloroprop...	7.551	79	55429	45.767	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 91.540%			
47) 2-Hexanone-d5	8.024	63	78510	94.456	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery = 94.460%			
56) 1,1,2,2-Tetrachloroeth...	10.153	84	159440	44.890	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery = 89.780%			
66) 1,2-Dichlorobenzene-d4	11.561	152	135170	44.331	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 88.660%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.105	85	106810	43.513	ug/L	98
3) Chloromethane	1.214	50	112199	49.649	ug/L	100
5) Vinyl chloride	1.285	62	117280	48.410	ug/L	98
6) Bromomethane	1.484	94	76286	43.990	ug/L	100
8) Chloroethane	1.548	64	80214	49.045	ug/L	98
9) Trichlorofluoromethane	1.716	101	181900	42.819	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.069	101	106233	42.864	ug/L	97
12) 1,1-Dichloroethene	2.073	96	93950	44.622	ug/L	90
13) Acetone	2.108	43	110428	82.039	ug/L	98
14) Carbon disulfide	2.243	76	248727	46.229	ug/L	99
15) Methyl Acetate	2.372	43	107957	56.158	ug/L	95
16) Methylene chloride	2.446	84	113385	48.219	ug/L	95
17) trans-1,2-Dichloroethene	2.696	96	94667	47.569	ug/L	96
18) Methyl tert-butyl Ether	2.703	73	307417	50.868	ug/L	99
19) 1,1-Dichloroethane	3.111	63	197151	51.689	ug/L	99
20) cis-1,2-Dichloroethene	3.815	96	106769	47.319	ug/L	91
22) 2-Butanone	3.864	43	136511	102.939	ug/L	96
23) Bromochloromethane	4.146	128	56663	45.815	ug/L	90
25) Chloroform	4.275	83	207382	48.314	ug/L	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.040	62	163182	49.320	ug/L	97
29) Cyclohexane	4.584	56	147164	54.010	ug/L	93
30) 1,1,1-Trichloroethane	4.510	97	175683	47.067	ug/L	99
31) Carbon tetrachloride	4.735	117	150952	45.189	ug/L	98
33) Benzene	5.011	78	420409	52.174	ug/L	100
34) Trichloroethene	5.834	95	105985	47.943	ug/L	96
35) Methylcyclohexane	6.050	83	152962	48.242	ug/L	95
37) 1,2-Dichloropropane	6.092	63	114616	52.450	ug/L	99
38) Bromodichloromethane	6.433	83	152042	48.341	ug/L	99
39) cis-1,3-Dichloropropene	6.953	75	167297	52.624	ug/L	100
40) 4-Methyl-2-pentanone	7.156	43	276958	118.763	ug/L	97
42) Toluene	7.314	91	444946	52.098	ug/L	98
44) trans-1,3-Dichloropropene	7.580	75	161921	50.757	ug/L	99
45) 1,1,2-Trichloroethane	7.767	97	112629	49.449	ug/L	98
46) Tetrachloroethene	7.905	164	76829	44.478	ug/L	97
48) 2-Hexanone	8.072	43	215752	110.924	ug/L	98
49) Dibromochloromethane	8.175	129	112900	46.877	ug/L	98
50) 1,2-Dibromoethane	8.281	107	113435	48.314	ug/L	98
51) Chlorobenzene	8.812	112	291864	47.420	ug/L	96
52) Ethylbenzene	8.947	91	487622	51.267	ug/L	99
53) m,p-Xylene	9.072	106	183130	51.246	ug/L	99
54) o-Xylene	9.477	106	177571	51.175	ug/L	97
55) Styrene	9.493	104	326195	53.266	ug/L	96
57) 1,1,2,2-Tetrachloroethane	10.178	83	174803	49.971	ug/L	99
59) Bromoform	9.664	173	75020	44.814	ug/L	99
60) Isopropylbenzene	9.866	105	481367	52.242	ug/L	99
61) 1,2,3-Trichloropropane	10.207	75	134319	51.648	ug/L	96
62) 1,3,5-Trimethylbenzene	10.477	105	365825	52.385	ug/L	99
63) 1,2,4-Trimethylbenzene	10.850	105	386237	53.254	ug/L	99
64) 1,3-Dichlorobenzene	11.117	146	228411	47.696	ug/L	99
65) 1,4-Dichlorobenzene	11.207	146	240123	46.589	ug/L	97
67) 1,2-Dichlorobenzene	11.577	146	237820	47.712	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.365	75	34378	48.799	ug/L	95
69) 1,3,5-Trichlorobenzene	12.583	180	152172	45.947	ug/L	99
70) 1,2,4-trichlorobenzene	13.198	180	134923	46.605	ug/L	99
71) Naphthalene	13.439	128	390134	50.086	ug/L	99
72) 1,2,3-Trichlorobenzene	13.680	180	139187	49.153	ug/L	98

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

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