Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW033021\
Data File : VW018501.D
Acq On : 30 Mar 2021 12:08
Operator : SY/VA
Sample : VSTDCCC025EC
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD02521

Manual Integrations APPROVED
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4/2/2021 1:09:31 PM

Quant Time: Mar 31 01:14:21 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SOM2WLM031921S.M
Quant Title : VOC Analysis
QLast Update : Wed Mar 31 01:12:37 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	8.842	114	440734	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.634	117	409994	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.554	152	210881	25.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.355	65	113056	18.43	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 73.72%			
7) Chloroethane-d5	2.885	69	110790	20.64	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 82.56%			
10) 1,1-Dichloroethene-d2	4.025	63	217655	20.55	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery = 82.20%			
20) 2-Butanone-d5	7.074	46	70170m	51.39	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 102.78%			
24) Chloroform-d	7.647	84	249714	22.24	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery = 88.96%			
26) 1,2-Dichloroethane-d4	8.305	65	146713	22.39	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 89.56%			
29) Benzene-d6	8.275	84	441738	20.27	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery = 81.08%			
33) 1,2-Dichloropropane-d6	9.274	67	134980	21.47	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery = 85.88%			
37) Toluene-d8	10.323	98	429439	20.46	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery = 81.84%			
38) trans-1,3-Dichloroprop...	10.579	79	65220	20.11	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery = 80.44%			
39) 2-Hexanone-d5	10.920	63	57783	46.96	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 93.92%			
48) 1,1,2,2-Tetrachloroeth...	12.688	84	139691	24.84	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery = 99.36%			
61) 1,2-Dichlorobenzene-d4	13.853	152	166573	22.22	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery = 88.88%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.014	85	118078	23.33	ug/L	97
3) Chloromethane	2.215	50	140457	22.01	ug/L	96
5) Vinyl chloride	2.367	62	225380	26.90	ug/L	99
6) Bromomethane	2.782	94	161978	26.77	ug/L	100
8) Chloroethane	2.922	64	142185	27.21	ug/L	97
9) Trichlorofluoromethane	3.257	101	106549	25.27	ug/L	99
11) 1,1,2-Trichloro-1,2,2-...	4.062	101	147299	27.17	ug/L	99
12) 1,1-Dichloroethene	4.038	96	144539	26.13	ug/L	98
13) Acetone	4.117	43	49580	50.54	ug/L	99
14) Carbon disulfide	4.385	76	400581	24.04	ug/L	100
15) Methyl Acetate	4.665	43	63278	28.21	ug/L	98
16) Methylene chloride	4.915	84	155768	21.55	ug/L	94
17) Methyl tert-butyl Ether	5.428	73	202848	25.10	ug/L	98
18) trans-1,2-Dichloroethene	5.421	96	155831	25.51	ug/L	95
19) 1,1-Dichloroethane	6.214	63	276134	26.50	ug/L	96
21) 2-Butanone	7.165	43	85751	55.02	ug/L	97
22) cis-1,2-Dichloroethene	7.171	96	170427	26.53	ug/L	97
23) Bromochloromethane	7.513	128	76073	26.75	ug/L	92
25) Chloroform	7.677	83	297744	26.92	ug/L	98

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
27) 1,2-Dichloroethane	8.397	62	213021	27.15	ug/L		99
30) Cyclohexane	7.958	56	244724	25.14	ug/L		95
31) 1,1,1-Trichloroethane	7.872	97	241154	26.32	ug/L		97
32) Carbon tetrachloride	8.067	117	230059	26.94	ug/L		99
34) Benzene	8.323	78	624396	26.30	ug/L		100
35) Trichloroethene	9.092	95	172445	26.29	ug/L		98
36) Methylcyclohexane	9.335	83	294585	25.65	ug/L		99
40) 1,2-Dichloropropane	9.366	63	153354	26.40	ug/L		98
41) Bromodichloromethane	9.646	83	216815	26.41	ug/L		98
42) cis-1,3-Dichloropropene	10.073	75	253377	25.80	ug/L		99
43) 4-Methyl-2-pentanone	10.207	43	195257	55.90	ug/L		95
44) Toluene	10.390	91	719980	26.67	ug/L		94
45) trans-1,3-Dichloropropene	10.603	75	232582	26.37	ug/L		97
46) 1,1,2-Trichloroethane	10.786	97	125910	27.19	ug/L		98
47) Tetrachloroethene	10.860	164	131580	26.42	ug/L		97
49) 2-Hexanone	10.969	43	139548	56.46	ug/L		95
50) Dibromochloromethane	11.128	129	143791	26.33	ug/L		99
51) 1,2-Dibromoethane	11.231	107	125746	27.42	ug/L		96
52) Chlorobenzene	11.658	112	457144	26.71	ug/L		98
53) Ethylbenzene	11.731	91	821304	26.99	ug/L		98
54) m,p-Xylene	11.841	106	314269	27.02	ug/L		99
55) o-xylene	12.164	106	300286	27.08	ug/L		96
56) Styrene	12.176	104	510448	27.00	ug/L		99
57) Isopropylbenzene	12.463	105	826906	27.42	ug/L		100
58) 1,1,2,2-Tetrachloroethane	12.713	83	161178	28.75	ug/L		92
59) 1,2,3-Trichloropropane	12.768	75	122322	28.90	ug/L		99
62) Bromoform	12.347	173	82661	25.56	ug/L	#	95
63) 1,3-Dichlorobenzene	13.499	146	357791	26.51	ug/L		99
64) 1,4-Dichlorobenzene	13.579	146	361083	26.51	ug/L		95
65) 1,2-Dichlorobenzene	13.865	146	325204	26.96	ug/L		95
66) 1,2-Dibromo-3-chloropr...	14.481	75	27643	25.36	ug/L	#	87
67) 1,3,5-Trichlorobenzene	14.627	180	264480	27.17	ug/L		98
68) 1,2,4-trichlorobenzene	15.127	180	217982	26.32	ug/L		93
69) Naphthalene	15.365	128	463753	26.89	ug/L		99
70) 1,2,3-Trichlorobenzene	15.554	180	190385	26.34	ug/L		99

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

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