

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV073020\
 Data File : VV017765.D
 Acq On : 30 Jul 2020 22:58
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05088

Manual Integrations
 APPROVED

MMDadoda
 7/31/2020 3:56:51 PM

Quant Time: Jul 31 08:24:19 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM073020WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Jul 31 02:37:22 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	325661	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	308126	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	170064	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	77914	49.06	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	98.12%
7) Chloroethane-d5	1.58	69	68462	50.49	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	100.98%
11) 1,1-Dichloroethene-d2	2.12	63	190875	50.02	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	100.04%
21) 2-Butanone-d5	3.91	46	128027	107.21	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	107.21%
24) Chloroform-d	4.38	84	217136	50.03	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.06%
26) 1,2-Dichloroethane-d4	5.05	65	160151	50.52	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.04%
32) Benzene-d6	5.07	84	375064	51.45	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.90%
36) 1,2-Dichloropropane-d6	6.09	67	103769	51.54	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	103.08%
41) Toluene-d8	7.34	98	371415	51.96	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	103.92%
43) trans-1,3-Dichloropropene-	7.64	79	65790	49.44	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	98.88%
47) 2-Hexanone-d5	8.11	63	94123	108.77	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	108.77%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	147046	48.37	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	96.74%
64) 1,2-Dichlorobenzene-d4	11.65	152	170877	51.19	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	102.38%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	161234	49.318	ug/L 100
3) Chloromethane	1.25	50	106575	48.853	ug/L 98
5) Vinyl chloride	1.32	62	114506	49.564	ug/L 99
6) Bromomethane	1.53	94	70816	51.535	ug/L 98
8) Chloroethane	1.60	64	67343	48.154	ug/L 100
9) Trichlorofluoromethane	1.76	101	225094	49.606	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	102644	48.891	ug/L 98
12) 1,1-Dichloroethene	2.13	96	95060	48.500	ug/L 93
13) Acetone	2.20	43	100509	66.275	ug/L 96
14) Carbon disulfide	2.31	76	288344	47.742	ug/L 98
15) Methyl Acetate	2.45	43	93781	47.549	ug/L 100
16) Methylene chloride	2.52	84	110283	47.718	ug/L 98
17) trans-1,2-Dichloroethene	2.78	96	107700	48.732	ug/L 99
18) Methyl tert-butyl Ether	2.78	73	372192	51.236	ug/L 99
19) 1,1-Dichloroethane	3.21	63	189446	49.123	ug/L 98
20) cis-1,2-Dichloroethene	3.94	96	117353	49.713	ug/L 100
22) 2-Butanone	4.00	43	130682m	92.769	ug/L

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.27	128	67003	50.240	ug/L	97
25) Chloroform	4.40	83	223915	50.099	ug/L	100
27) 1,2-Dichloroethane	5.15	62	201372	50.777	ug/L	100
29) Cyclohexane	4.70	56	159346	51.050	ug/L	98
30) 1,1,1-Trichloroethane	4.63	97	227004	51.101	ug/L	98
31) Carbon tetrachloride	4.85	117	205276	50.698	ug/L	99
33) Benzene	5.12	78	425318	50.892	ug/L	100
34) Trichloroethene	5.94	95	120132	50.577	ug/L	98
35) Methylcyclohexane	6.15	83	179093	51.399	ug/L	99
37) 1,2-Dichloropropane	6.20	63	98770	51.563	ug/L	100
38) Bromodichloromethane	6.53	83	167605	49.197	ug/L	99
39) cis-1,3-Dichloropropene	7.05	75	178851	50.847	ug/L	97
40) 4-Methyl-2-pentanone	7.24	43	261679	100.234	ug/L	99
42) Toluene	7.41	91	473119	50.962	ug/L	100
44) trans-1,3-Dichloropropene	7.67	75	185822	51.476	ug/L	99
45) 1,1,2-Trichloroethane	7.86	97	109451	50.170	ug/L	99
46) Tetrachloroethene	8.00	164	105038	49.914	ug/L	96
48) 2-Hexanone	8.16	43	207840	97.851	ug/L	99
49) Dibromochloromethane	8.27	129	140419	49.209	ug/L	96
50) 1,2-Dibromoethane	8.37	107	119438	50.279	ug/L	99
51) Chlorobenzene	8.90	112	317888	49.908	ug/L	97
52) Ethylbenzene	9.03	91	546266	51.358	ug/L	99
53) m,p-Xylene	9.16	106	207733	50.946	ug/L	99
54) o-xylene	9.56	106	202930	51.430	ug/L	99
55) Styrene	9.58	104	351286	51.183	ug/L	100
56) Isopropylbenzene	9.95	105	564650	52.283	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.26	83	154384	48.620	ug/L	99
59) 1,2,3-Trichloropropane	10.29	75	137804	49.435	ug/L	98
61) Bromoform	9.75	173	105268	50.108	ug/L	97
62) 1,3-Dichlorobenzene	11.20	146	272871	50.209	ug/L	100
63) 1,4-Dichlorobenzene	11.29	146	272539	49.355	ug/L	97
65) 1,2-Dichlorobenzene	11.67	146	275388	50.402	ug/L	97
66) 1,2-Dibromo-3-chloropropan	12.45	75	43875	51.385	ug/L	93
67) 1,3,5-Trichlorobenzene	12.67	180	214936	50.576	ug/L	99
68) 1,2,4-trichlorobenzene	13.28	180	191872	52.021	ug/L	100
69) Naphthalene	13.52	128	525167	53.974	ug/L	99
70) 1,2,3-Trichlorobenzene	13.77	180	194515	53.175	ug/L	99

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

