

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL073120\
 Data File : VL035313.D
 Acq On : 31 Jul 2020 21:59
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VSTDCCC010EC

Manual Integrations
 APPROVED

MMDadoda
 8/3/2020 12:36:36 PM

Quant Time: Aug 01 04:24:13 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL072920AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Jul 29 2020
 QLast Update : Wed Jul 29 07:14:29 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1307431	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	3139197	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.13	117	3223723	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.46	95	2490989	9.67	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	96.70%

Target Compounds

	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.01	85	1689784	10.821	ppbv	100
3) Chlorodifluoromethane	2.95	51	1421732	9.824	ppbv	99
4) Chloromethane	3.10	50	794893	9.760	ppbv	96
5) Vinyl Chloride	3.22	62	826883	9.747	ppbv	98
6) Bromomethane	3.44	94	532863	10.169	ppbv	95
7) Chloroethane	3.53	64	313670	10.244	ppbv	99
8) Dichlorotetrafluoroethane	3.15	85	2006013	10.125	ppbv	99
9) Propene	2.97	41	526867	10.444	ppbv	98
10) Heptane	8.14	43	1573905	11.526	ppbv	100
11) Trichlorofluoromethane	3.92	101	2152897	10.250	ppbv	98
12) 1,1,2-Trichlorotrifluoroet	4.47	101	1501942	10.083	ppbv	100
13) Ethanol	3.57	45	131081	6.384	ppbv	95
14) Bromoethene	3.71	108	642259	10.565	ppbv	99
15) Acetone	3.82	43	1644409	9.429	ppbv	99
16) 1,3-Butadiene	3.29	39	733243	10.779	ppbv	99
17) tert-Butyl alcohol	4.27	59	1680093	9.982	ppbv	99
18) 1,1-Dichloroethene	4.27	96	707288	10.694	ppbv	92
19) Isopropyl Alcohol	3.94	45	1089206	9.470	ppbv	100
20) Methylene Chloride	4.32	84	610586	7.692	ppbv	99
21) Allyl Chloride	4.39	41	1082950	10.904	ppbv	99
22) trans-1,2-Dichloroethene	4.87	96	677860	10.666	ppbv	97
23) Vinyl Acetate	5.06	43	1916635	10.938	ppbv	98
24) 1,1-Dichloroethane	5.00	63	1661626	10.168	ppbv	99
25) Ethyl Acetate	5.67	43	2822102	10.363	ppbv	100
26) Hexane	5.68	57	1265544	10.301	ppbv	99
27) Carbon Disulfide	4.53	76	1816000	10.941	ppbv	99
28) Methyl tert-Butyl Ether	5.02	73	1918570	10.924	ppbv	100
29) Chloroform	5.75	83	2102735	10.205	ppbv	98
30) Cyclohexane	7.14	84	1054271	12.005	ppbv	98
31) cis-1,2-Dichloroethene	5.55	61	1264866	11.810	ppbv	97
32) 1,1,1-Trichloroethane	6.52	97	2078454	9.855	ppbv	98
34) 2-Butanone	5.23	43	1690338	10.583	ppbv	99
35) Carbon Tetrachloride	7.03	117	2225728	10.589	ppbv	99
36) Benzene	6.90	78	2464408	11.296	ppbv	99
37) 1,2-Dichloroethane	6.31	62	1661020	10.891	ppbv	100
38) Trichloroethene	7.85	130	1060415	11.728	ppbv	93
39) 1,2-Dichloropropane	7.63	63	976754	11.221	ppbv	96
40) 1,4-Dioxane	7.85	88	374818	10.935	ppbv	82
41) Tetrahydrofuran	6.05	42	902163	11.524	ppbv	98
42) Bromodichloromethane	7.81	83	2289929	11.250	ppbv	98
43) Methyl Methacrylate	8.03	69	1141202	12.073	ppbv	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.89	57	4348396	11.312	ppbv	99
45) t-1,3-Dichloropropene	9.31	75	1296902	13.617	ppbv	99
46) cis-1,3-Dichloropropene	8.73	75	1527860	13.168	ppbv	99
47) 1,1,2-Trichloroethane	9.50	97	1115874	10.852	ppbv	96
48) Dibromochloromethane	10.34	129	1918808	11.849	ppbv	99
49) Bromoform	13.09	173	1779308	12.222	ppbv	99
50) 4-Methyl-2-Pentanone	8.76	43	2669186	11.531	ppbv	99
51) 2-Hexanone	10.16	43	2143756	12.213	ppbv	98
52) Tetrachloroethene	11.26	164	926421	11.129	ppbv	94
53) Toluene	9.84	91	2941731	12.687	ppbv	99
54) 1,2-Dibromoethane	10.65	107	1694805	11.400	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.17	131	1497429	10.102	ppbv	99
57) Chlorobenzene	12.19	112	2414516	9.954	ppbv	99
58) Ethyl Benzene	12.75	91	4083350	11.960	ppbv	100
59) m/p-Xylene	13.04	91	6953371m	21.876	ppbv	
60) o-Xylene	13.74	91	3534418	11.145	ppbv	99
61) Styrene	13.57	104	2425474	12.600	ppbv	99
62) Isopropylbenzene	14.71	105	5139587	10.889	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.73	83	2626248	9.624	ppbv	99
64) n-propylbenzene	15.61	120	1407680	11.216	ppbv	97
65) tert-Butylbenzene	16.80	119	4732996	11.069	ppbv	100
66) Benzyl Chloride	17.04	91	1889314	11.280	ppbv	99
67) sec-Butylbenzene	17.35	105	6648535	10.641	ppbv	99
69) p-Isopropyltoluene	17.70	119	5494197	10.780	ppbv	99
70) n-Butylbenzene	18.60	91	5805016	10.528	ppbv	99
71) 2-Chlorotoluene	15.50	91	4015656	11.282	ppbv	100
72) 4-Ethyltoluene	15.89	105	4123084	11.551	ppbv	99
73) 1,3,5-Trimethylbenzene	16.05	105	3925550	11.277	ppbv	97
74) 1,2,4-Trimethylbenzene	16.82	105	4162308	10.271	ppbv	99
75) 1,3-Dichlorobenzene	17.05	146	2459494	9.400	ppbv	100
76) 1,4-Dichlorobenzene	17.19	146	2409162	10.179	ppbv	99
77) 1,2-Dichlorobenzene	17.88	146	2356796	10.056	ppbv	99
78) Hexachloro-1,3-Butadiene	23.43	225	1765753	9.205	ppbv	99
79) Naphthalene	22.27	128	3522951	10.933	ppbv	98
80) Naphthalene, 2-methyl-	25.03	142	1221664	11.714	ppbv	98
81) 1,2,4-Trichlorobenzene	22.00	180	2021404	10.305	ppbv	99

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

