

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL082720\
 Data File : VL035525.D
 Acq On : 27 Aug 2020 19:01
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VSTDCCC010EC

Manual Integrations
 APPROVED

MMDadoda
 8/28/2020 3:17:51 PM

Quant Time: Aug 28 03:04:55 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL082720AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Aug 28 2020
 QLast Update : Thu Aug 27 06:46:28 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.69	49	997557	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.21	114	4292875	10.00	ppbv	0.02
55) Chlorobenzene-d5	12.13	117	4593927m	10.00	ppbv	0.02

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.46	95	3238175	9.93	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.30%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.06	85	1568116	9.071	ppbv 98
3) Chlorodifluoromethane	3.00	51	1059571	9.604	ppbv 99
4) Chloromethane	3.15	50	568414	9.616	ppbv 100
5) Vinyl Chloride	3.27	62	672245	9.225	ppbv 100
6) Bromomethane	3.48	94	593711	9.700	ppbv 98
7) Chloroethane	3.57	64	253321	9.832	ppbv 97
8) Dichlorotetrafluoroethane	3.20	85	1982544	9.469	ppbv 99
9) Propene	3.02	41	411279	9.670	ppbv 100
10) Heptane	8.16	43	1159633	10.150	ppbv 99
11) Trichlorofluoromethane	3.96	101	2449096	9.714	ppbv 100
12) 1,1,2-Trichlorotrifluoroet	4.50	101	1846242	9.703	ppbv 100
13) Ethanol	3.62	45	100046	9.487	ppbv 97
14) Bromoethene	3.75	108	818452	9.993	ppbv 100
15) Acetone	3.86	43	896218	8.146	ppbv 99
16) 1,3-Butadiene	3.34	39	416042	10.158	ppbv 99
17) tert-Butyl alcohol	4.31	59	1294293	9.665	ppbv 99
18) 1,1-Dichloroethene	4.30	96	845560	10.091	ppbv 99
19) Isopropyl Alcohol	3.98	45	664746	10.128	ppbv # 98
20) Methylene Chloride	4.36	84	726587	8.867	ppbv 98
21) Allyl Chloride	4.43	41	530677	10.295	ppbv 97
22) trans-1,2-Dichloroethene	4.91	96	894158	10.024	ppbv 99
23) Vinyl Acetate	5.10	43	1420247	10.058	ppbv 99
24) 1,1-Dichloroethane	5.03	63	1434900	9.874	ppbv 99
25) Ethyl Acetate	5.70	43	1883869	9.692	ppbv 99
26) Hexane	5.71	57	1092324	9.919	ppbv 98
27) Carbon Disulfide	4.57	76	1784177	11.290	ppbv 100
28) Methyl tert-Butyl Ether	5.06	73	1884481	9.818	ppbv 100
29) Chloroform	5.78	83	2206289	9.833	ppbv 99
30) Cyclohexane	7.16	84	1224390	10.378	ppbv 99
31) cis-1,2-Dichloroethene	5.57	61	1154306	10.216	ppbv 99
32) 1,1,1-Trichloroethane	6.54	97	2171741	9.977	ppbv 99
34) 2-Butanone	5.27	43	1291746	10.139	ppbv 99
35) Carbon Tetrachloride	7.05	117	2326862	10.785	ppbv 99
36) Benzene	6.92	78	2807759	10.104	ppbv 99
37) 1,2-Dichloroethane	6.34	62	1350020	10.190	ppbv 99
38) Trichloroethene	7.87	130	1514984	9.386	ppbv 97
39) 1,2-Dichloropropane	7.65	63	946205	10.080	ppbv 99
40) 1,4-Dioxane	7.86	88	491665	10.485	ppbv 88
41) Tetrahydrofuran	6.08	42	738282	10.928	ppbv 99
42) Bromodichloromethane	7.83	83	2320273	10.830	ppbv 99
43) Methyl Methacrylate	8.05	69	1168548	10.875	ppbv 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.91	57	3683574	10.075	ppbv	100
45) t-1,3-Dichloropropene	9.32	75	1287702	11.830	ppbv	99
46) cis-1,3-Dichloropropene	8.74	75	1557786	11.526	ppbv	98
47) 1,1,2-Trichloroethane	9.52	97	1396983	10.085	ppbv	98
48) Dibromochloromethane	10.35	129	2463866	11.302	ppbv	100
49) Bromoform	13.09	173	2322788	11.757	ppbv	100
50) 4-Methyl-2-Pentanone	8.78	43	1966631	10.661	ppbv	100
51) 2-Hexanone	10.18	43	1687964	11.154	ppbv #	99
52) Tetrachloroethene	11.27	164	1514835	9.331	ppbv	99
53) Toluene	9.85	91	3619446	10.358	ppbv	100
54) 1,2-Dibromoethane	10.65	107	2230147	10.189	ppbv	97
56) 1,1,1,2-Tetrachloroethane	12.17	131	1916826	10.254	ppbv	98
57) Chlorobenzene	12.19	112	3140538	9.289	ppbv	99
58) Ethyl Benzene	12.76	91	4749372	10.026	ppbv	100
59) m/p-Xylene	13.05	91	7760148m	19.604	ppbv	
60) o-Xylene	13.74	91	3962878	9.940	ppbv	99
61) Styrene	13.58	104	3199835	10.494	ppbv	99
62) Isopropylbenzene	14.72	105	6115621	9.549	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.73	83	2845395	9.206	ppbv	99
64) n-propylbenzene	15.62	120	1929698	9.874	ppbv	94
65) tert-Butylbenzene	16.80	119	5851717	9.829	ppbv	99
66) Benzyl Chloride	17.04	91	1835756	12.408	ppbv	97
67) sec-Butylbenzene	17.35	105	7675357	9.677	ppbv	98
69) p-Isopropyltoluene	17.71	119	6730909	9.675	ppbv	99
70) n-Butylbenzene	18.61	91	6537473	9.755	ppbv	99
71) 2-Chlorotoluene	15.51	91	4633989	9.936	ppbv	98
72) 4-Ethyltoluene	15.89	105	5079613	10.022	ppbv	99
73) 1,3,5-Trimethylbenzene	16.05	105	4719975	10.068	ppbv	97
74) 1,2,4-Trimethylbenzene	16.82	105	4955551	9.626	ppbv	98
75) 1,3-Dichlorobenzene	17.05	146	3547458	9.303	ppbv	99
76) 1,4-Dichlorobenzene	17.19	146	3578995	9.516	ppbv	99
77) 1,2-Dichlorobenzene	17.87	146	3466954	9.384	ppbv	99
78) Hexachloro-1,3-Butadiene	23.44	225	2271405	9.630	ppbv	100
79) Naphthalene	22.27	128	5965463	10.443	ppbv	99
80) Naphthalene, 2-methyl-	25.02	142	2307691	11.836	ppbv	99
81) 1,2,4-Trichlorobenzene	22.00	180	3403738	9.950	ppbv	100

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

