

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL070620\
 Data File : VL035143.D
 Acq On : 6 Jul 2020 9:47
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Manual Integrations
 APPROVED

MMDadoda
 7/9/2020 12:00:26 PM

Quant Time: Jul 07 05:24:37 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL061920AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Sat Jun 20 2020
 QLast Update : Sat Jun 20 02:10:36 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1230831	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	2932650	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.11	117	2855382m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.45	95	2386431	10.06	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.60%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	3.00	85	1275005	7.671	ppbv 98
3) Chlorodifluoromethane	2.94	51	1300722	9.567	ppbv 98
4) Chloromethane	3.09	50	727421	9.544	ppbv 98
5) Vinyl Chloride	3.21	62	745051	10.279	ppbv 96
6) Bromomethane	3.43	94	458448	10.186	ppbv 98
7) Chloroethane	3.51	64	285768	10.455	ppbv 96
8) Dichlorotetrafluoroethane	3.14	85	1721664	9.661	ppbv 100
9) Propene	2.96	41	526870	9.786	ppbv 99
10) Heptane	8.12	43	1471936	10.549	ppbv 100
11) Trichlorofluoromethane	3.91	101	1816349	10.230	ppbv 97
12) 1,1,2-Trichlorotrifluoroet	4.45	101	1287053	10.483	ppbv 100
13) Ethanol	3.56	45	150887	7.418	ppbv 94
14) Bromoethene	3.70	108	561953	10.618	ppbv 98
15) Acetone	3.81	43	1387652	9.325	ppbv 99
16) 1,3-Butadiene	3.28	39	674278	10.331	ppbv 100
17) tert-Butyl alcohol	4.26	59	1549502	11.749	ppbv 99
18) 1,1-Dichloroethene	4.25	96	599154	10.820	ppbv 97
19) Isopropyl Alcohol	3.93	45	1071226	11.086	ppbv # 98
20) Methylene Chloride	4.31	84	523199	8.687	ppbv 97
21) Allyl Chloride	4.38	41	976099	11.037	ppbv 98
22) trans-1,2-Dichloroethene	4.86	96	597452	11.532	ppbv 97
23) Vinyl Acetate	5.05	43	1950074	10.796	ppbv 99
24) 1,1-Dichloroethane	4.99	63	1522388	9.997	ppbv 99
25) Ethyl Acetate	5.66	43	2582338	9.615	ppbv 100
26) Hexane	5.67	57	1155795	9.546	ppbv 99
27) Carbon Disulfide	4.52	76	1569262	12.524	ppbv 99
28) Methyl tert-Butyl Ether	5.01	73	1829185	10.752	ppbv 98
29) Chloroform	5.74	83	1850047	9.764	ppbv 96
30) Cyclohexane	7.13	84	976389	11.236	ppbv 99
31) cis-1,2-Dichloroethene	5.53	61	1172243	10.502	ppbv 98
32) 1,1,1-Trichloroethane	6.50	97	1815495	10.330	ppbv 100
34) 2-Butanone	5.22	43	1651971	9.809	ppbv 100
35) Carbon Tetrachloride	7.02	117	1875899	10.665	ppbv 95
36) Benzene	6.89	78	2302181	10.138	ppbv 99
37) 1,2-Dichloroethane	6.30	62	1450928	10.110	ppbv 100
38) Trichloroethene	7.84	130	914615	10.369	ppbv 95
39) 1,2-Dichloropropane	7.62	63	897784	10.108	ppbv 98
40) 1,4-Dioxane	7.83	88	355582	10.150	ppbv # 92
41) Tetrahydrofuran	6.03	42	899399	10.456	ppbv 99
42) Bromodichloromethane	7.80	83	1986068	10.685	ppbv 96
43) Methyl Methacrylate	8.02	69	1046909	10.891	ppbv 98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.87	57	3959181	9.989	ppbv	99
45) t-1,3-Dichloropropene	9.29	75	1190394	12.725	ppbv	98
46) cis-1,3-Dichloropropene	8.71	75	1413043	12.159	ppbv	99
47) 1,1,2-Trichloroethane	9.49	97	977186	10.081	ppbv	98
48) Dibromochloromethane	10.32	129	1662913	11.507	ppbv	99
49) Bromoform	13.07	173	1434690	11.686	ppbv	100
50) 4-Methyl-2-Pentanone	8.75	43	2443477	10.212	ppbv	99
51) 2-Hexanone	10.15	43	2013103	10.743	ppbv	100
52) Tetrachloroethene	11.25	164	834558	10.430	ppbv	97
53) Toluene	9.82	91	2690982	11.110	ppbv	99
54) 1,2-Dibromoethane	10.63	107	1477780	10.296	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.15	131	1252574	10.719	ppbv #	61
57) Chlorobenzene	12.17	112	2059342	9.801	ppbv	97
58) Ethyl Benzene	12.73	91	3625353	11.300	ppbv	99
59) m/p-Xylene	13.02	91	6009785m	21.137	ppbv	
60) o-Xylene	13.72	91	2984094	10.542	ppbv	99
61) Styrene	13.56	104	2118876	11.896	ppbv	100
62) Isopropylbenzene	14.70	105	4391628	10.397	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.71	83	2110895	9.207	ppbv	100
64) n-propylbenzene	15.60	120	1146223	10.634	ppbv	98
65) tert-Butylbenzene	16.78	119	3792499	10.485	ppbv	99
66) Benzyl Chloride	17.03	91	1541756	13.799	ppbv	99
67) sec-Butylbenzene	17.33	105	5334421	10.290	ppbv	100
69) p-Isopropyltoluene	17.69	119	4420574	10.690	ppbv	99
70) n-Butylbenzene	18.59	91	4598890	10.325	ppbv	99
71) 2-Chlorotoluene	15.49	91	3382888	10.595	ppbv	100
72) 4-Ethyltoluene	15.87	105	3437771	10.918	ppbv	99
73) 1,3,5-Trimethylbenzene	16.03	105	3221533	10.823	ppbv	98
74) 1,2,4-Trimethylbenzene	16.80	105	3349044	10.081	ppbv	96
75) 1,3-Dichlorobenzene	17.04	146	1917336	9.671	ppbv	99
76) 1,4-Dichlorobenzene	17.18	146	1904429	10.042	ppbv	100
77) 1,2-Dichlorobenzene	17.86	146	1799089	9.917	ppbv	99
78) Hexachloro-1,3-Butadiene	23.42	225	1509069	9.255	ppbv	100
79) Naphthalene	22.26	128	3262654	11.202	ppbv	98
80) Naphthalene, 2-methyl-	25.01	142	1590518	14.282	ppbv	98
81) 1,2,4-Trichlorobenzene	21.98	180	1759057m	10.469	ppbv	

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

