

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL092920\
 Data File : VL035724.D
 Acq On : 29 Sep 2020 10:30
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Manual Integrations
 APPROVED

MMDadoda
 9/30/2020 5:32:09 PM

Quant Time: Sep 30 02:50:16 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL092320AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Sep 2
 QLast Update : Wed Sep 23 07:38:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.68	49	1217140	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	4849656	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.11	117	5058920m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.45	95	3625968	9.57	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	95.70%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.04	85	1782004	8.923	ppbv	99
3) Chlorodifluoromethane	2.98	51	1310470	10.008	ppbv	99
4) Chloromethane	3.14	50	690847	9.821	ppbv	98
5) Vinyl Chloride	3.26	62	821563	9.874	ppbv	99
6) Bromomethane	3.47	94	703820	10.007	ppbv	95
7) Chloroethane	3.56	64	306720	10.052	ppbv	98
8) Dichlorotetrafluoroethane	3.19	85	2281975	9.421	ppbv	100
9) Propene	3.01	41	504866	10.619	ppbv	99
10) Heptane	8.14	43	1402249	10.580	ppbv	99
11) Trichlorofluoromethane	3.95	101	2640357	9.266	ppbv	98
12) 1,1,2-Trichlorotrifluoroet	4.49	101	1975688	9.301	ppbv	98
13) Ethanol	3.61	45	104432	8.907	ppbv	99
14) Bromoethene	3.74	108	929773	10.391	ppbv	99
15) Acetone	3.85	43	1105715	8.443	ppbv	98
16) 1,3-Butadiene	3.33	39	507979	10.602	ppbv	99
17) tert-Butyl alcohol	4.30	59	1652838	11.586	ppbv	100
18) 1,1-Dichloroethene	4.29	96	938392	10.090	ppbv	99
19) Isopropyl Alcohol	3.98	45	774135	10.866	ppbv #	96
20) Methylene Chloride	4.35	84	770725	8.012	ppbv	99
21) Allyl Chloride	4.42	41	672529	10.594	ppbv	100
22) trans-1,2-Dichloroethene	4.89	96	968481	9.857	ppbv	97
23) Vinyl Acetate	5.08	43	1821751	11.357	ppbv	98
24) 1,1-Dichloroethane	5.02	63	1735696	9.934	ppbv	99
25) Ethyl Acetate	5.69	43	2339533	9.928	ppbv	100
26) Hexane	5.70	57	1304118	10.099	ppbv	99
27) Carbon Disulfide	4.55	76	2090148	10.859	ppbv	100
28) Methyl tert-Butyl Ether	5.04	73	2408807	11.767	ppbv	100
29) Chloroform	5.76	83	2586460	9.863	ppbv	99
30) Cyclohexane	7.14	84	1446478	11.353	ppbv	98
31) cis-1,2-Dichloroethene	5.56	61	1419035	11.383	ppbv	99
32) 1,1,1-Trichloroethane	6.53	97	2562478	11.085	ppbv	99
34) 2-Butanone	5.25	43	1608562	10.028	ppbv	98
35) Carbon Tetrachloride	7.03	117	2599152	10.279	ppbv	98
36) Benzene	6.91	78	3339751	10.569	ppbv	100
37) 1,2-Dichloroethane	6.32	62	1620226	9.837	ppbv	100
38) Trichloroethene	7.85	130	1645706	10.440	ppbv	98
39) 1,2-Dichloropropane	7.63	63	1149905	10.039	ppbv	99
40) 1,4-Dioxane	7.84	88	551465	10.528	ppbv	95
41) Tetrahydrofuran	6.06	42	923833	11.432	ppbv	99
42) Bromodichloromethane	7.81	83	2734304	10.306	ppbv	100
43) Methyl Methacrylate	8.03	69	1396572	11.112	ppbv	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.89	57	4379262	9.658	ppbv	100
45) t-1,3-Dichloropropene	9.30	75	1582016	12.468	ppbv	97
46) cis-1,3-Dichloropropene	8.73	75	1886859	12.064	ppbv	99
47) 1,1,2-Trichloroethane	9.50	97	1606217	9.790	ppbv	99
48) Dibromochloromethane	10.33	129	2692054	10.782	ppbv	100
49) Bromoform	13.07	173	2400309	11.330	ppbv	100
50) 4-Methyl-2-Pentanone	8.76	43	2353538	10.045	ppbv	99
51) 2-Hexanone	10.16	43	1979492	10.487	ppbv #	99
52) Tetrachloroethene	11.25	164	1577554	10.381	ppbv	98
53) Toluene	9.83	91	4104470	11.015	ppbv	99
54) 1,2-Dibromoethane	10.64	107	2520286	10.259	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.15	131	2071184	9.764	ppbv	98
57) Chlorobenzene	12.18	112	3432334	8.983	ppbv	99
58) Ethyl Benzene	12.74	91	5294876	10.428	ppbv	99
59) m/p-Xylene	13.02	91	8465222m	19.091	ppbv	
60) o-Xylene	13.73	91	4365046	9.731	ppbv	99
61) Styrene	13.56	104	3502667	11.293	ppbv	99
62) Isopropylbenzene	14.70	105	6602928	9.490	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.71	83	3144409	8.549	ppbv	100
64) n-propylbenzene	15.59	120	2044516	10.041	ppbv	97
65) tert-Butylbenzene	16.78	119	6097894	9.640	ppbv	98
66) Benzyl Chloride	17.02	91	2211246	11.538	ppbv	98
67) sec-Butylbenzene	17.33	105	8033542	9.197	ppbv	99
69) p-Isopropyltoluene	17.69	119	6816050	9.591	ppbv	99
70) n-Butylbenzene	18.59	91	6687231	9.138	ppbv	99
71) 2-Chlorotoluene	15.49	91	5049826	9.951	ppbv	99
72) 4-Ethyltoluene	15.87	105	5380916	10.127	ppbv	99
73) 1,3,5-Trimethylbenzene	16.03	105	4973267	9.904	ppbv	99
74) 1,2,4-Trimethylbenzene	16.80	105	5138903	9.079	ppbv	97
75) 1,3-Dichlorobenzene	17.03	146	3489321	9.029	ppbv	98
76) 1,4-Dichlorobenzene	17.18	146	3471019	9.396	ppbv	99
77) 1,2-Dichlorobenzene	17.85	146	3380603	9.262	ppbv	99
78) Hexachloro-1,3-Butadiene	23.42	225	1856596	9.219	ppbv	99
79) Naphthalene	22.25	128	5083590	9.416	ppbv	99
80) Naphthalene, 2-methyl-	25.00	142	1632586	12.820	ppbv	98
81) 1,2,4-Trichlorobenzene	21.98	180	2700629	9.652	ppbv	99

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

