

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL091620\
 Data File : VL035653.D
 Acq On : 17 Sep 2020 9:25
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Manual Integrations
 APPROVED

MMDadoda
 9/17/2020 1:53:15 PM

Quant Time: Sep 17 10:28:20 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL082720AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Sep 14 2020
 QLast Update : Mon Sep 14 15:19:50 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1192109	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	5127647	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.10	117	5166334m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.44	95	3703058	10.09	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.90%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.04	85	1918720	9.288	ppbv	100
3) Chlorodifluoromethane	2.98	51	1286449	9.757	ppbv	99
4) Chloromethane	3.13	50	692073	9.798	ppbv	100
5) Vinyl Chloride	3.25	62	846688	9.722	ppbv	99
6) Bromomethane	3.47	94	729923	9.979	ppbv	99
7) Chloroethane	3.55	64	325380	10.568	ppbv	97
8) Dichlorotetrafluoroethane	3.18	85	2373667	9.487	ppbv	92
9) Propene	3.00	41	494133	9.722	ppbv	100
10) Heptane	8.13	43	1347141	9.867	ppbv	98
11) Trichlorofluoromethane	3.95	101	2630274	8.730	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.48	101	2036358	8.955	ppbv	91
13) Ethanol	3.60	45	119885	9.513	ppbv	98
14) Bromoethene	3.74	108	974569	9.957	ppbv	100
15) Acetone	3.85	43	1091696	8.303	ppbv	99
16) 1,3-Butadiene	3.32	39	493230	10.077	ppbv	95
17) tert-Butyl alcohol	4.29	59	1737020	10.854	ppbv	100
18) 1,1-Dichloroethene	4.29	96	987786	9.865	ppbv	97
19) Isopropyl Alcohol	3.96	45	836288	10.662	ppbv	# 98
20) Methylene Chloride	4.34	84	805368	8.224	ppbv	98
21) Allyl Chloride	4.41	41	691428	11.225	ppbv	99
22) trans-1,2-Dichloroethene	4.88	96	1015609	9.527	ppbv	92
23) Vinyl Acetate	5.08	43	1732548	10.267	ppbv	99
24) 1,1-Dichloroethane	5.01	63	1720037	9.904	ppbv	99
25) Ethyl Acetate	5.68	43	2228216	9.593	ppbv	99
26) Hexane	5.69	57	1301839	9.892	ppbv	97
27) Carbon Disulfide	4.55	76	2147897	11.373	ppbv	99
28) Methyl tert-Butyl Ether	5.03	73	2452177	10.691	ppbv	100
29) Chloroform	5.75	83	2619256	9.768	ppbv	100
30) Cyclohexane	7.14	84	1511710	10.722	ppbv	98
31) cis-1,2-Dichloroethene	5.55	61	1418314	10.504	ppbv	98
32) 1,1,1-Trichloroethane	6.52	97	2602844	10.006	ppbv	100
34) 2-Butanone	5.25	43	1527902	10.041	ppbv	98
35) Carbon Tetrachloride	7.02	117	2643393	10.257	ppbv	98
36) Benzene	6.90	78	3453738	10.405	ppbv	99
37) 1,2-Dichloroethane	6.31	62	1614172	10.200	ppbv	100
38) Trichloroethene	7.84	130	1729701	8.971	ppbv	96
39) 1,2-Dichloropropane	7.62	63	1146090	10.221	ppbv	98
40) 1,4-Dioxane	7.84	88	625212	11.162	ppbv	99
41) Tetrahydrofuran	6.05	42	886895	10.991	ppbv	97
42) Bromodichloromethane	7.80	83	2768083	10.817	ppbv	99
43) Methyl Methacrylate	8.02	69	1427429	11.122	ppbv	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.88	57	4347384	9.954	ppbv	99
45) t-1,3-Dichloropropene	9.29	75	1639375	12.609	ppbv	100
46) cis-1,3-Dichloropropene	8.71	75	1943522	12.039	ppbv	96
47) 1,1,2-Trichloroethane	9.49	97	1674971	10.124	ppbv	96
48) Dibromochloromethane	10.32	129	2784942	10.695	ppbv	100
49) Bromoform	13.06	173	2481243	10.514	ppbv	99
50) 4-Methyl-2-Pentanone	8.75	43	2238683	10.160	ppbv	98
51) 2-Hexanone	10.14	43	1875517	10.376	ppbv #	98
52) Tetrachloroethene	11.24	164	1681817	8.673	ppbv	95
53) Toluene	9.82	91	4322901	10.357	ppbv	99
54) 1,2-Dibromoethane	10.62	107	2648271	10.130	ppbv	97
56) 1,1,1,2-Tetrachloroethane	12.14	131	2170836	10.327	ppbv	99
57) Chlorobenzene	12.16	112	3648693	9.596	ppbv	97
58) Ethyl Benzene	12.73	91	5578349	10.471	ppbv	99
59) m/p-Xylene	13.01	91	9325458m	20.948	ppbv	
60) o-Xylene	13.71	91	4527459	10.098	ppbv	100
61) Styrene	13.55	104	3750103	10.936	ppbv	100
62) Isopropylbenzene	14.69	105	6912682	9.598	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.70	83	3260551	9.380	ppbv	99
64) n-propylbenzene	15.58	120	2190061	9.964	ppbv	96
65) tert-Butylbenzene	16.77	119	6400572	9.560	ppbv	98
66) Benzyl Chloride	17.01	91	2263441	13.603	ppbv	98
67) sec-Butylbenzene	17.32	105	8391423	9.408	ppbv	98
69) p-Isopropyltoluene	17.67	119	7230098	9.241	ppbv	99
70) n-Butylbenzene	18.57	91	7000959	9.289	ppbv	99
71) 2-Chlorotoluene	15.47	91	5295267	10.096	ppbv	99
72) 4-Ethyltoluene	15.86	105	5666163	9.941	ppbv	100
73) 1,3,5-Trimethylbenzene	16.02	105	5276639	10.009	ppbv	98
74) 1,2,4-Trimethylbenzene	16.79	105	5387274	9.305	ppbv	96
75) 1,3-Dichlorobenzene	17.02	146	3719324	8.673	ppbv	99
76) 1,4-Dichlorobenzene	17.16	146	3747871	8.861	ppbv	99
77) 1,2-Dichlorobenzene	17.84	146	3685636	8.871	ppbv	99
78) Hexachloro-1,3-Butadiene	23.40	225	1934850	7.294	ppbv	100
79) Naphthalene	22.23	128	5896537	9.179	ppbv	98
80) Naphthalene, 2-methyl-	24.99	142	1756135	8.009	ppbv	99
81) 1,2,4-Trichlorobenzene	21.96	180	3098997	8.055	ppbv	100

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

