

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL081320\
 Data File : VL035408.D
 Acq On : 13 Aug 2020 19:41
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VSTDCCC010EC

Manual Integrations
 APPROVED

MMDadoda
 8/17/2020 9:11:00 PM

Quant Time: Aug 14 05:03:09 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL081220AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Aug 1
 QLast Update : Wed Aug 12 20:32:44 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1402736	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	3246739	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.10	117	3319960m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.43	95	2660127	9.92	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.20%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.04	85	1654871	9.796	ppbv	98
3) Chlorodifluoromethane	2.98	51	1569500	9.624	ppbv	97
4) Chloromethane	3.13	50	853886	9.369	ppbv	98
5) Vinyl Chloride	3.25	62	806803	8.956	ppbv	97
6) Bromomethane	3.47	94	479412	9.598	ppbv	96
7) Chloroethane	3.55	64	292067	9.192	ppbv	93
8) Dichlorotetrafluoroethane	3.18	85	1837334	9.370	ppbv	95
9) Propene	3.00	41	738135	8.737	ppbv	100
10) Heptane	8.13	43	1939679	8.864	ppbv	99
11) Trichlorofluoromethane	3.95	101	1971450	9.623	ppbv	97
12) 1,1,2-Trichlorotrifluoroet	4.48	101	1299851	9.324	ppbv	94
13) Ethanol	3.60	45	176951	6.387	ppbv	98
14) Bromoethene	3.74	108	585830	9.405	ppbv	99
15) Acetone	3.85	43	1462157	8.276	ppbv	99
16) 1,3-Butadiene	3.32	39	765925	8.443	ppbv	99
17) tert-Butyl alcohol	4.29	59	1692199	8.211	ppbv	99
18) 1,1-Dichloroethene	4.29	96	598198	9.366	ppbv	97
19) Isopropyl Alcohol	3.97	45	1182725	8.578	ppbv #	46
20) Methylene Chloride	4.34	84	538518	8.072	ppbv	100
21) Allyl Chloride	4.41	41	1021903	8.809	ppbv	97
22) trans-1,2-Dichloroethene	4.88	96	607513	9.468	ppbv	94
23) Vinyl Acetate	5.08	43	2456617	8.710	ppbv	99
24) 1,1-Dichloroethane	5.01	63	1736518	9.349	ppbv	100
25) Ethyl Acetate	5.68	43	3127445	8.576	ppbv	99
26) Hexane	5.69	57	1377026	8.629	ppbv	99
27) Carbon Disulfide	4.55	76	1556051	9.134	ppbv	99
28) Methyl tert-Butyl Ether	5.04	73	2279642	8.652	ppbv	99
29) Chloroform	5.76	83	2206470	9.689	ppbv	98
30) Cyclohexane	7.14	84	1192886	9.070	ppbv	98
31) cis-1,2-Dichloroethene	5.55	61	1484753	9.384	ppbv	99
32) 1,1,1-Trichloroethane	6.52	97	2174521	8.754	ppbv	99
34) 2-Butanone	5.25	43	2137368	9.238	ppbv	99
35) Carbon Tetrachloride	7.02	117	2137573	9.471	ppbv	95
36) Benzene	6.90	78	2854017	9.167	ppbv	99
37) 1,2-Dichloroethane	6.31	62	1739721	10.067	ppbv	98
38) Trichloroethene	7.84	130	1001727	8.210	ppbv	97
39) 1,2-Dichloropropane	7.62	63	1163566	9.438	ppbv	94
40) 1,4-Dioxane	7.84	88	454512	9.052	ppbv	98
41) Tetrahydrofuran	6.05	42	1286760	9.322	ppbv	99
42) Bromodichloromethane	7.80	83	2399365	9.856	ppbv	98
43) Methyl Methacrylate	8.02	69	1311465	9.495	ppbv	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.88	57	4792104	8.948	ppbv	99
45) t-1,3-Dichloropropene	9.29	75	1550537	9.675	ppbv	99
46) cis-1,3-Dichloropropene	8.71	75	1756574	9.385	ppbv	98
47) 1,1,2-Trichloroethane	9.49	97	1188833	9.508	ppbv	98
48) Dibromochloromethane	10.32	129	1877388	9.394	ppbv	100
49) Bromoform	13.06	173	1557668	9.507	ppbv	99
50) 4-Methyl-2-Pentanone	8.75	43	3164899	9.076	ppbv	100
51) 2-Hexanone	10.15	43	2739926	9.333	ppbv #	99
52) Tetrachloroethene	11.24	164	907089	8.216	ppbv	99
53) Toluene	9.82	91	3327266	9.003	ppbv	99
54) 1,2-Dibromoethane	10.63	107	1826146	9.222	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.14	131	1409379	8.736	ppbv	96
57) Chlorobenzene	12.16	112	2383382	8.421	ppbv	98
58) Ethyl Benzene	12.73	91	4532060	8.637	ppbv	99
59) m/p-Xylene	13.01	91	7459709m	17.048	ppbv	
60) o-Xylene	13.71	91	3635856	8.581	ppbv	99
61) Styrene	13.55	104	2725864	8.714	ppbv	98
62) Isopropylbenzene	14.69	105	5334588	8.393	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.70	83	2588366	8.375	ppbv	99
64) n-propylbenzene	15.58	120	1432848	8.546	ppbv	91
65) tert-Butylbenzene	16.77	119	4548960	8.130	ppbv	96
66) Benzyl Chloride	17.01	91	1966002	7.780	ppbv	97
67) sec-Butylbenzene	17.32	105	6703781	8.311	ppbv	98
69) p-Isopropyltoluene	17.68	119	5532076	8.228	ppbv	98
70) n-Butylbenzene	18.57	91	6288514	8.448	ppbv	99
71) 2-Chlorotoluene	15.47	91	4437288	8.673	ppbv	98
72) 4-Ethyltoluene	15.86	105	4421863	8.550	ppbv	98
73) 1,3,5-Trimethylbenzene	16.02	105	4140265	8.538	ppbv	96
74) 1,2,4-Trimethylbenzene	16.79	105	4218437	8.271	ppbv	95
75) 1,3-Dichlorobenzene	17.01	146	2301945	8.271	ppbv	99
76) 1,4-Dichlorobenzene	17.16	146	2389323	8.358	ppbv	98
77) 1,2-Dichlorobenzene	17.84	146	2351387	8.380	ppbv	99
78) Hexachloro-1,3-Butadiene	23.40	225	1744503m	7.539	ppbv	
79) Naphthalene	22.23	128	4989647	7.855	ppbv	98
80) Naphthalene, 2-methyl-	24.99	142	2125186	7.184	ppbv	99
81) 1,2,4-Trichlorobenzene	21.96	180	2348407	7.811	ppbv	99

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

