

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL080320\
 Data File : VL035315.D
 Acq On : 3 Aug 2020 12:14
 Operator : SY/AP
 Sample : VSTDICCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Manual Integrations
 APPROVED

apatel
 8/6/2020 2:44:09 PM

Quant Time: Aug 03 15:02:14 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL080320AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Jul 29 2020
 QLast Update : Wed Jul 29 07:14:29 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1383430	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	3342072	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.11	117	3375961	10.00	ppbv	-0.01

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.45	95	2645563	9.81	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.10%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.00	85	2231443	13.505	ppbv	98
3) Chlorodifluoromethane	2.94	51	1603045	10.468	ppbv	99
4) Chloromethane	3.09	50	921448	10.692	ppbv	98
5) Vinyl Chloride	3.21	62	940011	10.472	ppbv	100
6) Bromomethane	3.43	94	590167	10.644	ppbv	93
7) Chloroethane	3.51	64	361468	11.156	ppbv	98
8) Dichlorotetrafluoroethane	3.14	85	2143585	10.225	ppbv	97
9) Propene	2.96	41	650243	12.181	ppbv	97
10) Heptane	8.12	43	1715496	11.873	ppbv	99
11) Trichlorofluoromethane	3.91	101	2245033	10.102	ppbv	98
12) 1,1,2-Trichlorotrifluoroet	4.45	101	1567792	9.947	ppbv	97
13) Ethanol	3.56	45	188957	8.697	ppbv	94
14) Bromoethene	3.70	108	712946	11.084	ppbv	98
15) Acetone	3.81	43	1683411	9.123	ppbv	99
16) 1,3-Butadiene	3.28	39	819540	11.385	ppbv	100
17) tert-Butyl alcohol	4.26	59	1835542	10.306	ppbv	100
18) 1,1-Dichloroethene	4.25	96	738444	10.552	ppbv	96
19) Isopropyl Alcohol	3.93	45	1290075	10.600	ppbv	# 99
20) Methylene Chloride	4.31	84	679200	8.086	ppbv	97
21) Allyl Chloride	4.38	41	1192445	11.347	ppbv	98
22) trans-1,2-Dichloroethene	4.86	96	726924	10.810	ppbv	96
23) Vinyl Acetate	5.05	43	2263462	12.207	ppbv	99
24) 1,1-Dichloroethane	4.99	63	1862426	10.770	ppbv	98
25) Ethyl Acetate	5.66	43	3164099	10.980	ppbv	100
26) Hexane	5.67	57	1429027	10.992	ppbv	99
27) Carbon Disulfide	4.52	76	1904054	10.841	ppbv	100
28) Methyl tert-Butyl Ether	5.01	73	2270804	12.219	ppbv	100
29) Chloroform	5.74	83	2272596	10.423	ppbv	100
30) Cyclohexane	7.13	84	1195182	12.862	ppbv	99
31) cis-1,2-Dichloroethene	5.53	61	1426491	12.588	ppbv	98
32) 1,1,1-Trichloroethane	6.50	97	2254928	10.104	ppbv	99
34) 2-Butanone	5.22	43	1955268	11.498	ppbv	100
35) Carbon Tetrachloride	7.01	117	2363014	10.560	ppbv	99
36) Benzene	6.89	78	2780837	11.972	ppbv	99
37) 1,2-Dichloroethane	6.30	62	1769512	10.898	ppbv	99
38) Trichloroethene	7.84	130	1159666	12.047	ppbv	96
39) 1,2-Dichloropropane	7.62	63	1079671	11.651	ppbv	98
40) 1,4-Dioxane	7.83	88	497841m	13.643	ppbv	
41) Tetrahydrofuran	6.03	42	1069618	12.834	ppbv	99
42) Bromodichloromethane	7.79	83	2457210	11.339	ppbv	96
43) Methyl Methacrylate	8.01	69	1277482	12.694	ppbv	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.87	57	4714611	11.520	ppbv	99
45) t-1,3-Dichloropropene	9.29	75	1455750	14.357	ppbv	98
46) cis-1,3-Dichloropropene	8.71	75	1691357	13.692	ppbv	99
47) 1,1,2-Trichloroethane	9.49	97	1204855	11.006	ppbv	98
48) Dibromochloromethane	10.32	129	2073570	12.027	ppbv	98
49) Bromoform	13.07	173	1869847	12.064	ppbv	100
50) 4-Methyl-2-Pentanone	8.74	43	2904942	11.788	ppbv	99
51) 2-Hexanone	10.14	43	2349478	12.572	ppbv #	98
52) Tetrachloroethene	11.24	164	1037098	11.703	ppbv	96
53) Toluene	9.82	91	3238685	13.120	ppbv	100
54) 1,2-Dibromoethane	10.63	107	1825547	11.534	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.15	131	1589129	10.237	ppbv	94
57) Chlorobenzene	12.17	112	2571219	10.122	ppbv	95
58) Ethyl Benzene	12.73	91	4365704	12.210	ppbv	97
59) m/p-Xylene	13.02	91	7422179m	22.298	ppbv	
60) o-Xylene	13.72	91	3696299	11.130	ppbv	100
61) Styrene	13.55	104	2649800	13.145	ppbv	99
62) Isopropylbenzene	14.70	105	5421466	10.968	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.71	83	2724895	9.535	ppbv	100
64) n-propylbenzene	15.60	120	1475950	11.230	ppbv	96
65) tert-Butylbenzene	16.78	119	4882847	10.904	ppbv	100
66) Benzyl Chloride	17.03	91	2048133	11.677	ppbv	99
67) sec-Butylbenzene	17.33	105	6814888	10.416	ppbv	100
69) p-Isopropyltoluene	17.69	119	5734363	10.743	ppbv	99
70) n-Butylbenzene	18.59	91	6113412	10.587	ppbv	100
71) 2-Chlorotoluene	15.49	91	4265250	11.443	ppbv	100
72) 4-Ethyltoluene	15.87	105	4369179	11.689	ppbv	100
73) 1,3,5-Trimethylbenzene	16.03	105	4094554	11.232	ppbv	100
74) 1,2,4-Trimethylbenzene	16.80	105	4359494	10.273	ppbv #	92
75) 1,3-Dichlorobenzene	17.04	146	2572981	9.390	ppbv	99
76) 1,4-Dichlorobenzene	17.18	146	2553859	10.304	ppbv	99
77) 1,2-Dichlorobenzene	17.86	146	2466851	10.051	ppbv	100
78) Hexachloro-1,3-Butadiene	23.42	225	1907837	9.497	ppbv	98
79) Naphthalene	22.26	128	3847996	11.403	ppbv	99
80) Naphthalene, 2-methyl-	25.01	142	1368029	12.526	ppbv	99
81) 1,2,4-Trichlorobenzene	21.98	180	2195123	10.686	ppbv	100

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

