

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL080320\
 Data File : VL035331.D
 Acq On : 4 Aug 2020 2:44
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VSTDCCC010EC

Manual Integrations
 APPROVED

apatel
 8/6/2020 2:45:37 PM

Quant Time: Aug 04 06:46:55 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL080320AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Aug 04
 QLast Update : Tue Aug 04 05:31:29 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1426558	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	3433236	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.11	117	3483870m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.45	95	2917748	10.00	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.00%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.00	85	1514228	8.113 ppbv	95
3) Chlorodifluoromethane	2.94	51	1365423	8.328 ppbv	97
4) Chloromethane	3.09	50	758408	8.101 ppbv	98
5) Vinyl Chloride	3.21	62	788720	8.653 ppbv	99
6) Bromomethane	3.43	94	514554	8.582 ppbv	99
7) Chloroethane	3.51	64	300654	8.297 ppbv	95
8) Dichlorotetrafluoroethane	3.14	85	1901788	8.447 ppbv	97
9) Propene	2.96	41	502396	8.481 ppbv	96
10) Heptane	8.13	43	1482906	9.753 ppbv	99
11) Trichlorofluoromethane	3.91	101	2100112	8.615 ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.46	101	1481515	8.719 ppbv	95
13) Ethanol	3.56	45	125693	5.744 ppbv	99
14) Bromoethene	3.70	108	616837	8.815 ppbv	99
15) Acetone	3.81	43	1619091	7.849 ppbv	99
16) 1,3-Butadiene	3.28	39	699940	9.098 ppbv	99
17) tert-Butyl alcohol	4.26	59	1592744	8.477 ppbv	99
18) 1,1-Dichloroethene	4.26	96	672403	8.790 ppbv	100
19) Isopropyl Alcohol	3.93	45	996981	7.694 ppbv #	97
20) Methylene Chloride	4.31	84	597882	6.345 ppbv	95
21) Allyl Chloride	4.38	41	1051930	9.004 ppbv	98
22) trans-1,2-Dichloroethene	4.86	96	672772	8.865 ppbv	97
23) Vinyl Acetate	5.05	43	1836666	8.985 ppbv	99
24) 1,1-Dichloroethane	4.99	63	1588409	8.351 ppbv	100
25) Ethyl Acetate	5.66	43	2703133	8.669 ppbv	99
26) Hexane	5.67	57	1221950	8.753 ppbv	99
27) Carbon Disulfide	4.52	76	1805946	9.614 ppbv	100
28) Methyl tert-Butyl Ether	5.01	73	1861978	8.875 ppbv	99
29) Chloroform	5.74	83	2043436	8.653 ppbv	99
30) Cyclohexane	7.12	84	984424	9.400 ppbv	95
31) cis-1,2-Dichloroethene	5.53	61	1191034	9.248 ppbv	97
32) 1,1,1-Trichloroethane	6.51	97	2011586	8.809 ppbv	99
34) 2-Butanone	5.22	43	1617010	8.946 ppbv	100
35) Carbon Tetrachloride	7.01	117	2162784	9.741 ppbv	96
36) Benzene	6.89	78	2366990	9.404 ppbv	99
37) 1,2-Dichloroethane	6.30	62	1573127	9.226 ppbv	99
38) Trichloroethene	7.84	130	1030312	11.139 ppbv	95
39) 1,2-Dichloropropane	7.62	63	912018	9.194 ppbv	97
40) 1,4-Dioxane	7.83	88	383061m	8.891 ppbv	
41) Tetrahydrofuran	6.03	42	854752	9.586 ppbv	98
42) Bromodichloromethane	7.80	83	2205207	9.479 ppbv	96
43) Methyl Methacrylate	8.02	69	1068286	10.158 ppbv	97

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44) 2,2,4-Trimethylpentane	7.87	57	4116641	9.547	ppbv	99
45) t-1,3-Dichloropropene	9.29	75	1243407	11.077	ppbv	98
46) cis-1,3-Dichloropropene	8.72	75	1471194	10.947	ppbv	100
47) 1,1,2-Trichloroethane	9.49	97	1052474	9.142	ppbv	96
48) Dibromochloromethane	10.32	129	1873028	9.999	ppbv	99
49) Bromoform	13.07	173	1736127	10.640	ppbv	100
50) 4-Methyl-2-Pentanone	8.74	43	2524780	9.890	ppbv	100
51) 2-Hexanone	10.14	43	2042829	10.342	ppbv #	99
52) Tetrachloroethene	11.25	164	906491	10.223	ppbv	98
53) Toluene	9.82	91	2834111	10.707	ppbv	100
54) 1,2-Dibromoethane	10.63	107	1640401	9.625	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.15	131	1446525	8.847	ppbv	97
57) Chlorobenzene	12.17	112	2331718	8.745	ppbv	98
58) Ethyl Benzene	12.73	91	3933116	10.304	ppbv	96
59) m/p-Xylene	13.02	91	6713269m	19.061	ppbv	
60) o-Xylene	13.72	91	3394621	9.749	ppbv	99
61) Styrene	13.55	104	2340368	10.932	ppbv	99
62) Isopropylbenzene	14.70	105	4987839	9.496	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.71	83	2491134	9.121	ppbv	98
64) n-propylbenzene	15.59	120	1336845m	9.729	ppbv	
65) tert-Butylbenzene	16.78	119	4563310	9.702	ppbv	100
66) Benzyl Chloride	17.03	91	1868466	10.275	ppbv	99
67) sec-Butylbenzene	17.33	105	6375835	9.588	ppbv	100
69) p-Isopropyltoluene	17.69	119	5292168	9.619	ppbv	100
70) n-Butylbenzene	18.59	91	5552120	9.380	ppbv	99
71) 2-Chlorotoluene	15.48	91	3883465	9.906	ppbv	99
72) 4-Ethyltoluene	15.87	105	3962836	10.087	ppbv	99
73) 1,3,5-Trimethylbenzene	16.03	105	3804909	9.887	ppbv	98
74) 1,2,4-Trimethylbenzene	16.80	105	4022727	9.117	ppbv	94
75) 1,3-Dichlorobenzene	17.04	146	2313868	8.430	ppbv	99
76) 1,4-Dichlorobenzene	17.18	146	2300291	8.854	ppbv	99
77) 1,2-Dichlorobenzene	17.86	146	2238343	8.843	ppbv	99
78) Hexachloro-1,3-Butadiene	23.42	225	1716856	8.354	ppbv	99
79) Naphthalene	22.26	128	3392483	9.714	ppbv	99
80) Naphthalene, 2-methyl-	25.01	142	1173214	11.441	ppbv	99
81) 1,2,4-Trichlorobenzene	21.99	180	1908345	8.983	ppbv	100

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

