

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL080620\
 Data File : VL035369.D
 Acq On : 7 Aug 2020 5:03
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VSTDCCC010EC

Manual Integrations
 APPROVED

MMDadoda
 8/7/2020 12:54:47 PM

Quant Time: Aug 07 09:00:39 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL080520AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Aug 0
 QLast Update : Wed Aug 05 13:04:46 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1313601	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	3276578	10.00	ppbv	-0.01
55) Chlorobenzene-d5	12.10	117	3227968	10.00	ppbv	-0.01

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.45	95	2670061	9.92	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.20%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.00	85	1729572	9.899 ppbv	99
3) Chlorodifluoromethane	2.93	51	1329739	8.868 ppbv	100
4) Chloromethane	3.09	50	789110	9.295 ppbv	96
5) Vinyl Chloride	3.21	62	775371	8.879 ppbv	99
6) Bromomethane	3.43	94	508286	9.501 ppbv	97
7) Chloroethane	3.51	64	297834	9.183 ppbv	97
8) Dichlorotetrafluoroethane	3.14	85	1903273	9.216 ppbv	99
9) Propene	2.96	41	526936	9.862 ppbv	99
10) Heptane	8.12	43	1524788	11.172 ppbv	99
11) Trichlorofluoromethane	3.91	101	2058972	9.096 ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.45	101	1459242	9.019 ppbv	99
13) Ethanol	3.56	45	133448	7.241 ppbv	100
14) Bromoethene	3.69	108	613457	9.455 ppbv	97
15) Acetone	3.81	43	1795620	9.626 ppbv	99
16) 1,3-Butadiene	3.28	39	618952	8.621 ppbv #	78
17) tert-Butyl alcohol	4.26	59	171724m	1.003 ppbv	
18) 1,1-Dichloroethene	4.25	96	651378	9.375 ppbv	94
19) Isopropyl Alcohol	3.92	45	961781	8.134 ppbv #	98
20) Methylene Chloride	4.31	84	595580	7.829 ppbv	99
21) Allyl Chloride	4.38	41	1085260	10.154 ppbv	98
22) trans-1,2-Dichloroethene	4.85	96	633828	9.408 ppbv	98
23) Vinyl Acetate	5.05	43	1906457	10.659 ppbv	99
24) 1,1-Dichloroethane	4.98	63	1586257	9.437 ppbv	97
25) Ethyl Acetate	5.66	43	2712487	9.570 ppbv	99
26) Hexane	5.66	57	1217125	9.900 ppbv	98
27) Carbon Disulfide	4.52	76	1721493	10.013 ppbv	99
28) Methyl tert-Butyl Ether	5.01	73	1636989	9.157 ppbv	100
29) Chloroform	5.74	83	1996577	9.420 ppbv	97
30) Cyclohexane	7.12	84	1016290	10.901 ppbv	98
31) cis-1,2-Dichloroethene	5.53	61	1184082	10.834 ppbv	96
32) 1,1,1-Trichloroethane	6.50	97	1983835	8.905 ppbv	99
34) 2-Butanone	5.22	43	1698882	10.530 ppbv	100
35) Carbon Tetrachloride	7.01	117	2124524	9.422 ppbv	98
36) Benzene	6.89	78	2403723	10.864 ppbv	99
37) 1,2-Dichloroethane	6.29	62	1552062	10.041 ppbv	100
38) Trichloroethene	7.83	130	1052643	10.314 ppbv	95
39) 1,2-Dichloropropane	7.61	63	911009	10.171 ppbv	97
40) 1,4-Dioxane	7.83	88	358970	9.358 ppbv #	1
41) Tetrahydrofuran	6.03	42	873170	11.029 ppbv	99
42) Bromodichloromethane	7.79	83	2140242	10.311 ppbv	99
43) Methyl Methacrylate	8.01	69	1038281	11.154 ppbv	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.87	57	4168121	10.604	ppbv	100
45) t-1,3-Dichloropropene	9.29	75	1269575	13.148	ppbv	99
46) cis-1,3-Dichloropropene	8.71	75	1510694	12.955	ppbv	99
47) 1,1,2-Trichloroethane	9.49	97	1073152	9.965	ppbv	97
48) Dibromochloromethane	10.32	129	1869019	10.595	ppbv	99
49) Bromoform	13.07	173	1758484	10.939	ppbv	100
50) 4-Methyl-2-Pentanone	8.74	43	2585977	10.498	ppbv	99
51) 2-Hexanone	10.14	43	2161861	11.195	ppbv #	99
52) Tetrachloroethene	11.24	164	944046	10.762	ppbv	97
53) Toluene	9.82	91	2901556	12.055	ppbv	100
54) 1,2-Dibromoethane	10.63	107	1634965	10.582	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.14	131	1418312	9.308	ppbv	97
57) Chlorobenzene	12.17	112	2394228	9.851	ppbv	95
58) Ethyl Benzene	12.73	91	3940871	11.733	ppbv	97
59) m/p-Xylene	13.01	91	6670829m	21.329	ppbv	
60) o-Xylene	13.72	91	3389749	10.922	ppbv	99
61) Styrene	13.55	104	1988878	10.493	ppbv	99
62) Isopropylbenzene	14.69	105	4837825	10.352	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.70	83	2465676	9.312	ppbv	100
64) n-propylbenzene	15.59	120	1319394	10.506	ppbv	100
65) tert-Butylbenzene	16.77	119	4433099	10.359	ppbv	99
66) Benzyl Chloride	17.02	91	1883089	11.118	ppbv	100
67) sec-Butylbenzene	17.32	105	6127395	10.123	ppbv	99
69) p-Isopropyltoluene	17.68	119	5151056	10.438	ppbv	100
70) n-Butylbenzene	18.58	91	5308511	10.057	ppbv	100
71) 2-Chlorotoluene	15.48	91	3735596	10.912	ppbv	98
72) 4-Ethyltoluene	15.87	105	4027744	11.382	ppbv	99
73) 1,3,5-Trimethylbenzene	16.03	105	3794384	11.175	ppbv	100
74) 1,2,4-Trimethylbenzene	16.79	105	4061548	10.466	ppbv	93
75) 1,3-Dichlorobenzene	17.03	146	2425106	9.552	ppbv	99
76) 1,4-Dichlorobenzene	17.18	146	2394550	10.185	ppbv	100
77) 1,2-Dichlorobenzene	17.85	146	2318674	9.896	ppbv	99
78) Hexachloro-1,3-Butadiene	23.41	225	1936697	9.715	ppbv	99
79) Naphthalene	22.25	128	3820566	12.799	ppbv	98
80) Naphthalene, 2-methyl-	25.00	142	1625603	23.941	ppbv	98
81) 1,2,4-Trichlorobenzene	21.98	180	2164872	11.508	ppbv	100

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

