

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL100721\
 Data File : VL037796.D
 Acq On : 7 Oct 2021 13:47
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Manual Integrations
 APPROVED

apatel
 10/14/2021 1:19:43 PM

Quant Time: Oct 09 18:31:35 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL100421AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Oct 09 18:31:35 2021
 QLast Update : Mon Oct 04 17:43:54 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1266669	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.16	114	3782382	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.06	117	3595540m	10.00	ppbv	-0.03

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.39	95	2498943	9.94	ppbv	-0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.40%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.04	85	1913108	9.456	ppbv	100
3) Chlorodifluoromethane	2.98	51	2425005	9.964	ppbv	99
4) Chloromethane	3.13	50	907557	10.181	ppbv	100
5) Vinyl Chloride	3.24	62	902818	11.048	ppbv	99
6) Bromomethane	3.46	94	399490	9.038	ppbv	98
7) Chloroethane	3.54	64	320304	10.660	ppbv	90
8) Dichlorotetrafluoroethane	3.18	85	2010675	10.055	ppbv	99
9) Propene	3.00	41	873550	9.755	ppbv	99
10) Heptane	8.10	43	2197679	10.806	ppbv	99
11) Trichlorofluoromethane	3.93	101	1832506	10.152	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.47	101	1360934	9.950	ppbv	99
13) Ethanol	3.60	45	80268m	10.960	ppbv	
14) Bromoethene	3.73	108	633788	10.539	ppbv	94
15) Acetone	3.84	43	1158512	10.188	ppbv	100
16) 1,3-Butadiene	3.31	39	872320	10.544	ppbv	100
17) tert-Butyl alcohol	4.27	59	1259830	10.758	ppbv	100
18) 1,1-Dichloroethene	4.27	96	617150	9.929	ppbv	98
19) Isopropyl Alcohol	3.94	45	776177	10.972	ppbv	# 99
20) Methylene Chloride	4.33	84	523416	9.110	ppbv	95
21) Allyl Chloride	4.39	41	1009044	10.017	ppbv	97
22) trans-1,2-Dichloroethene	4.87	96	649072	10.387	ppbv	94
23) Vinyl Acetate	5.05	43	1627643	9.552	ppbv	99
24) 1,1-Dichloroethane	4.99	63	1307155	10.538	ppbv	99
25) Ethyl Acetate	5.66	43	3392350	10.632	ppbv	99
26) Hexane	5.67	57	1585920	10.094	ppbv	96
27) Carbon Disulfide	4.53	76	1574723	11.309	ppbv	99
28) Methyl tert-Butyl Ether	5.02	73	1358391	10.384	ppbv	98
29) Chloroform	5.73	83	2288442	10.190	ppbv	99
30) Cyclohexane	7.11	84	1368854	10.274	ppbv	98
31) cis-1,2-Dichloroethene	5.53	61	1476742	10.353	ppbv	99
32) 1,1,1-Trichloroethane	6.49	97	2229446	10.471	ppbv	99
34) 2-Butanone	5.22	43	1515830	9.927	ppbv	99
35) Carbon Tetrachloride	7.00	117	2292626	10.673	ppbv	98
36) Benzene	6.87	78	3336293	10.327	ppbv	99
37) 1,2-Dichloroethane	6.29	62	1620530	10.653	ppbv	100
38) Trichloroethene	7.81	130	1325706	10.387	ppbv	99
39) 1,2-Dichloropropane	7.59	63	1288952	10.607	ppbv	97
40) 1,4-Dioxane	7.81	88	318777	10.483	ppbv	# 100
41) Tetrahydrofuran	6.03	42	773009	10.338	ppbv	98
42) Bromodichloromethane	7.77	83	2474423	11.074	ppbv	99
43) Methyl Methacrylate	7.99	69	1211335	11.479	ppbv	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.85	57	5598532	10.314	ppbv	99
45) t-1,3-Dichloropropene	9.26	75	808440	11.135	ppbv	100
46) cis-1,3-Dichloropropene	8.68	75	1096311	10.894	ppbv	98
47) 1,1,2-Trichloroethane	9.45	97	1368451	10.359	ppbv	98
48) Dibromochloromethane	10.28	129	2131069	11.316	ppbv	98
49) Bromoform	13.02	173	1820508	12.634	ppbv	99
50) 4-Methyl-2-Pentanone	8.72	43	2225779	11.197	ppbv	100
51) 2-Hexanone	10.11	43	1052819	11.864	ppbv #	99
52) Tetrachloroethene	11.20	164	1232965	9.809	ppbv	95
53) Toluene	9.79	91	3974187	11.100	ppbv	99
54) 1,2-Dibromoethane	10.59	107	1917564	10.746	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.10	131	1510717	10.150	ppbv	99
57) Chlorobenzene	12.12	112	2875003	9.747	ppbv	99
58) Ethyl Benzene	12.69	91	5121676	10.608	ppbv	100
59) m/p-Xylene	12.97	91	8500939m	20.512	ppbv	
60) o-Xylene	13.67	91	3942928	9.927	ppbv	99
61) Styrene	13.50	104	2248070	11.702	ppbv	99
62) Isopropylbenzene	14.64	105	5629915	10.162	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.65	83	2917646	9.520	ppbv	100
64) n-propylbenzene	15.54	120	1512072	10.945	ppbv	96
65) tert-Butylbenzene	16.72	119	4986905	10.229	ppbv	100
66) Benzyl Chloride	16.96	91	258355	10.738	ppbv #	99
67) sec-Butylbenzene	17.27	105	6996679	10.494	ppbv	100
69) p-Isopropyltoluene	17.63	119	5907567	10.960	ppbv	100
70) n-Butylbenzene	18.52	91	5860617	11.445	ppbv	100
71) 2-Chlorotoluene	15.43	91	4230679	10.814	ppbv	99
72) 4-Ethyltoluene	15.81	105	5074232	11.252	ppbv	99
73) 1,3,5-Trimethylbenzene	15.97	105	4497108	10.978	ppbv	96
74) 1,2,4-Trimethylbenzene	16.74	105	4575030	10.635	ppbv	98
75) 1,3-Dichlorobenzene	16.97	146	2820081	10.581	ppbv	100
76) 1,4-Dichlorobenzene	17.11	146	2771074	10.899	ppbv	100
77) 1,2-Dichlorobenzene	17.79	146	2767099	10.808	ppbv	99
78) Hexachloro-1,3-Butadiene	23.35	225	2035036	9.735	ppbv	99
79) Naphthalene	22.16	128	3418791	12.977	ppbv	99
80) Naphthalene,2-methyl-	24.95	142	910286	12.868	ppbv	99
81) 1,2,4-Trichlorobenzene	21.90	180	2053934	12.190	ppbv	100

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

