

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL120820\
 Data File : VL036097.D
 Acq On : 8 Dec 2020 15:07
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Manual Integrations
 APPROVED

MMDadoda
 12/11/2020 12:23:03 PM

Quant Time: Dec 09 07:28:22 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL120720AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Dec 0
 QLast Update : Mon Dec 07 16:56:49 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.68	49	1243933	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	2696797	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.11	117	2683507m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.44	95	2164481	10.16	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.60%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.05	85	1172968	8.091	ppbv	98
3) Chlorodifluoromethane	2.99	51	1473236	10.380	ppbv	100
4) Chloromethane	3.14	50	702511	10.082	ppbv	97
5) Vinyl Chloride	3.26	62	701895	9.054	ppbv	100
6) Bromomethane	3.47	94	381140	9.529	ppbv	96
7) Chloroethane	3.56	64	249343	9.442	ppbv #	86
8) Dichlorotetrafluoroethane	3.19	85	1572151	9.758	ppbv	93
9) Propene	3.01	41	698939	9.831	ppbv	99
10) Heptane	8.14	43	1808959	9.962	ppbv	100
11) Trichlorofluoromethane	3.96	101	1667097	9.781	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.49	101	1083961	9.365	ppbv	96
13) Ethanol	3.61	45	99077	10.109	ppbv	86
14) Bromoethene	3.74	108	462295	9.735	ppbv	97
15) Acetone	3.86	43	1316918	8.809	ppbv	99
16) 1,3-Butadiene	3.33	39	695955	9.243	ppbv	96
17) tert-Butyl alcohol	4.30	59	1166029	8.052	ppbv	99
18) 1,1-Dichloroethene	4.30	96	496983	9.670	ppbv	98
19) Isopropyl Alcohol	3.98	45	732622	8.018	ppbv #	100
20) Methylene Chloride	4.35	84	439722	7.178	ppbv	98
21) Allyl Chloride	4.42	41	882106	8.874	ppbv	95
22) trans-1,2-Dichloroethene	4.90	96	464219	9.022	ppbv	99
23) Vinyl Acetate	5.09	43	1782854	8.957	ppbv #	98
24) 1,1-Dichloroethane	5.02	63	1319495	9.425	ppbv	99
25) Ethyl Acetate	5.69	43	2886959	9.666	ppbv	99
26) Hexane	5.70	57	1216753	9.052	ppbv	97
27) Carbon Disulfide	4.56	76	1217909	9.117	ppbv	98
28) Methyl tert-Butyl Ether	5.04	73	1741282	9.112	ppbv	98
29) Chloroform	5.77	83	1791341	10.148	ppbv	98
30) Cyclohexane	7.14	84	969739	9.821	ppbv	98
31) cis-1,2-Dichloroethene	5.56	61	1241908	10.164	ppbv	94
32) 1,1,1-Trichloroethane	6.53	97	1767638	9.705	ppbv	99
34) 2-Butanone	5.26	43	1793221	10.024	ppbv	100
35) Carbon Tetrachloride	7.03	117	1702159	10.824	ppbv	98
36) Benzene	6.91	78	2445023	10.698	ppbv	97
37) 1,2-Dichloroethane	6.32	62	1497749	11.309	ppbv	99
38) Trichloroethene	7.85	130	771780	9.034	ppbv	93
39) 1,2-Dichloropropane	7.63	63	972279	10.772	ppbv	99
40) 1,4-Dioxane	7.85	88	286188	10.081	ppbv #	1
41) Tetrahydrofuran	6.06	42	1108292	10.429	ppbv	99
42) Bromodichloromethane	7.81	83	1997824	11.321	ppbv	99
43) Methyl Methacrylate	8.03	69	1092592	11.143	ppbv	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.89	57	4340874	10.488	ppbv	100
45) t-1,3-Dichloropropene	9.30	75	1138799	11.305	ppbv	100
46) cis-1,3-Dichloropropene	8.72	75	1375884	10.898	ppbv	98
47) 1,1,2-Trichloroethane	9.50	97	938346	10.806	ppbv	95
48) Dibromochloromethane	10.33	129	1419119	10.822	ppbv	99
49) Bromoform	13.07	173	1080458	10.469	ppbv	100
50) 4-Methyl-2-Pentanone	8.76	43	2891215	10.837	ppbv	99
51) 2-Hexanone	10.15	43	2279365	10.930	ppbv #	98
52) Tetrachloroethene	11.25	164	734167	8.874	ppbv	96
53) Toluene	9.82	91	2708484	10.554	ppbv	100
54) 1,2-Dibromoethane	10.63	107	1350116	10.373	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.15	131	1053907	9.472	ppbv	96
57) Chlorobenzene	12.17	112	1773067	9.412	ppbv	97
58) Ethyl Benzene	12.73	91	3649892	9.925	ppbv	97
59) m/p-Xylene	13.02	91	6101875m	19.700	ppbv	
60) o-Xylene	13.72	91	2823260	9.674	ppbv	97
61) Styrene	13.55	104	1888351	10.079	ppbv	98
62) Isopropylbenzene	14.69	105	4045822	9.353	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.70	83	1840542	9.365	ppbv	99
64) n-propylbenzene	15.59	120	965172	9.274	ppbv	86
65) tert-Butylbenzene	16.77	119	3203536	9.048	ppbv	94
66) Benzyl Chloride	17.01	91	776578	8.808	ppbv	97
67) sec-Butylbenzene	17.32	105	4591392	9.265	ppbv	98
69) p-Isopropyltoluene	17.68	119	3603331	9.142	ppbv	98
70) n-Butylbenzene	18.58	91	3853143	9.891	ppbv	99
71) 2-Chlorotoluene	15.48	91	3212744	9.825	ppbv	96
72) 4-Ethyltoluene	15.86	105	3129817	9.900	ppbv	97
73) 1,3,5-Trimethylbenzene	16.02	105	2862592	9.481	ppbv	93
74) 1,2,4-Trimethylbenzene	16.79	105	2844848	9.387	ppbv	97
75) 1,3-Dichlorobenzene	17.02	146	1385837	9.135	ppbv	98
76) 1,4-Dichlorobenzene	17.16	146	1381072	8.941	ppbv	97
77) 1,2-Dichlorobenzene	17.84	146	1317255	9.094	ppbv	97
78) Hexachloro-1,3-Butadiene	23.40	225	974626	8.395	ppbv	100
79) Naphthalene	22.23	128	1705784	11.073	ppbv	98
80) Naphthalene, 2-methyl-	25.00	142	709747	20.603	ppbv	98
81) 1,2,4-Trichlorobenzene	21.96	180	1022249	9.932	ppbv #	100

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

