

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL110520\
 Data File : VL035858.D
 Acq On : 5 Nov 2020 11:42
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Manual Integrations
 APPROVED

MMDadoda
 11/9/2020 1:38:32 PM

Quant Time: Nov 06 08:24:13 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL110320AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Nov 0
 QLast Update : Wed Nov 04 02:40:06 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.64	49	1004506	10.00	ppbv	-0.03
33) 1,4-Difluorobenzene	7.15	114	3904811	10.00	ppbv	-0.03
55) Chlorobenzene-d5	12.06	117	3836203m	10.00	ppbv	-0.04

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.39	95	2679697	9.83	ppbv	-0.04
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.30%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.02	85	1732020	9.158	ppbv 100
3) Chlorodifluoromethane	2.96	51	1201672	9.990	ppbv 98
4) Chloromethane	3.12	50	588794	10.075	ppbv 98
5) Vinyl Chloride	3.23	62	725891	9.744	ppbv 99
6) Bromomethane	3.45	94	600114	10.017	ppbv 99
7) Chloroethane	3.53	64	274563	10.472	ppbv 98
8) Dichlorotetrafluoroethane	3.16	85	2117915	9.785	ppbv 98
9) Propene	2.99	41	456778	10.375	ppbv 99
10) Heptane	8.10	43	1288736	10.597	ppbv 99
11) Trichlorofluoromethane	3.92	101	2496945	10.515	ppbv 99
12) 1,1,2-Trichlorotrifluoroet	4.46	101	1818008	10.282	ppbv 100
13) Ethanol	3.59	45	68886m	7.212	ppbv
14) Bromoethene	3.72	108	781023	9.599	ppbv 99
15) Acetone	3.83	43	1039962	9.684	ppbv 98
16) 1,3-Butadiene	3.30	39	481275	10.409	ppbv 98
17) tert-Butyl alcohol	4.27	59	1172136	8.236	ppbv 99
18) 1,1-Dichloroethene	4.26	96	830470	10.230	ppbv 95
19) Isopropyl Alcohol	3.94	45	517786	7.846	ppbv 100
20) Methylene Chloride	4.32	84	677847	8.966	ppbv 99
21) Allyl Chloride	4.38	41	602083	10.367	ppbv 98
22) trans-1,2-Dichloroethene	4.86	96	848233	10.307	ppbv 98
23) Vinyl Acetate	5.05	43	1415117	9.401	ppbv 98
24) 1,1-Dichloroethane	4.99	63	1449190	10.105	ppbv 99
25) Ethyl Acetate	5.65	43	2201738	10.407	ppbv 99
26) Hexane	5.66	57	1158215	9.927	ppbv 98
27) Carbon Disulfide	4.52	76	1772909	10.141	ppbv 100
28) Methyl tert-Butyl Ether	5.01	73	1972093	9.412	ppbv 100
29) Chloroform	5.73	83	2298611	10.023	ppbv 98
30) Cyclohexane	7.10	84	1218761	9.591	ppbv 98
31) cis-1,2-Dichloroethene	5.52	61	1216725	10.137	ppbv 97
32) 1,1,1-Trichloroethane	6.48	97	2238971	9.356	ppbv 99
34) 2-Butanone	5.22	43	1385686	10.934	ppbv 99
35) Carbon Tetrachloride	6.99	117	2250869	10.789	ppbv 100
36) Benzene	6.87	78	2920135	10.059	ppbv 98
37) 1,2-Dichloroethane	6.28	62	1446567	10.999	ppbv 99
38) Trichloroethene	7.81	130	1333499	9.404	ppbv 99
39) 1,2-Dichloropropane	7.59	63	1009870	10.333	ppbv 97
40) 1,4-Dioxane	7.81	88	391165	8.445	ppbv # 57
41) Tetrahydrofuran	6.02	42	814649	11.315	ppbv 98
42) Bromodichloromethane	7.77	83	2345150	10.568	ppbv 99
43) Methyl Methacrylate	7.99	69	1191646	10.762	ppbv 98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.84	57	3980516	10.362	ppbv	99
45) t-1,3-Dichloropropene	9.26	75	1258881	10.725	ppbv	99
46) cis-1,3-Dichloropropene	8.68	75	1564036	10.521	ppbv	98
47) 1,1,2-Trichloroethane	9.45	97	1345405	10.103	ppbv	99
48) Dibromochloromethane	10.28	129	2196404	10.796	ppbv	100
49) Bromoform	13.02	173	1854751	10.804	ppbv	99
50) 4-Methyl-2-Pentanone	8.72	43	2166351	11.179	ppbv	99
51) 2-Hexanone	10.11	43	1771050	11.377	ppbv	99
52) Tetrachloroethene	11.20	164	1269589	9.231	ppbv	99
53) Toluene	9.78	91	3522499	10.056	ppbv	100
54) 1,2-Dibromoethane	10.59	107	2049095	10.117	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.10	131	1704935	9.902	ppbv	99
57) Chlorobenzene	12.12	112	2826700	9.267	ppbv	99
58) Ethyl Benzene	12.69	91	4546985	9.732	ppbv	99
59) m/p-Xylene	12.97	91	7698740m	19.476	ppbv	
60) o-Xylene	13.67	91	3746466	9.743	ppbv	99
61) Styrene	13.50	104	2831987	10.051	ppbv	100
62) Isopropylbenzene	14.64	105	5675048	9.389	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.66	83	2645307	8.878	ppbv	99
64) n-propylbenzene	15.54	120	1656611	9.483	ppbv	97
65) tert-Butylbenzene	16.72	119	5029068	9.142	ppbv	99
66) Benzyl Chloride	16.97	91	1632057	8.975	ppbv	98
67) sec-Butylbenzene	17.27	105	6797386	9.169	ppbv	99
69) p-Isopropyltoluene	17.63	119	5601741	9.156	ppbv	99
70) n-Butylbenzene	18.53	91	5469327	9.283	ppbv	99
71) 2-Chlorotoluene	15.43	91	4247928	9.609	ppbv	98
72) 4-Ethyltoluene	15.82	105	4429928	9.498	ppbv	99
73) 1,3,5-Trimethylbenzene	15.98	105	4087387	9.577	ppbv	98
74) 1,2,4-Trimethylbenzene	16.74	105	4241397	9.274	ppbv	99
75) 1,3-Dichlorobenzene	16.97	146	2651980	9.107	ppbv	100
76) 1,4-Dichlorobenzene	17.11	146	2586507	9.208	ppbv	98
77) 1,2-Dichlorobenzene	17.80	146	2561702	9.025	ppbv	100
78) Hexachloro-1,3-Butadiene	23.35	225	1217453	9.192	ppbv	100
79) Naphthalene	22.17	128	2951805	9.259	ppbv	100
80) Naphthalene, 2-methyl-	24.96	142	458012	8.816	ppbv	99
81) 1,2,4-Trichlorobenzene	21.90	180	1588527	8.919	ppbv	99

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

