

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL110420\
 Data File : VL035856.D
 Acq On : 5 Nov 2020 6:41
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VSTDCCC010EC

Manual Integrations
 APPROVED

MMDadoda
 11/5/2020 2:18:09 PM

Quant Time: Nov 05 07:54:55 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL110320AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Nov 04
 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	853041	10.00	ppbv	-0.03
33) 1,4-Difluorobenzene	7.15	114	3331434	10.00	ppbv	-0.03
55) Chlorobenzene-d5	12.06	117	3197789m	10.00	ppbv	-0.04

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.39	95	2337048	10.29	ppbv	-0.04
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.90%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.02	85	1613260	10.045	ppbv	98
3) Chlorodifluoromethane	2.97	51	970110	9.497	ppbv	98
4) Chloromethane	3.11	50	475807	9.588	ppbv	99
5) Vinyl Chloride	3.23	62	589990	9.326	ppbv	99
6) Bromomethane	3.45	94	480819	9.451	ppbv	100
7) Chloroethane	3.53	64	221753	9.960	ppbv	100
8) Dichlorotetrafluoroethane	3.16	85	1758188	9.566	ppbv	99
9) Propene	2.99	41	353848	9.464	ppbv	100
10) Heptane	8.09	43	1077762	10.436	ppbv	99
11) Trichlorofluoromethane	3.92	101	2130571	10.565	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.46	101	1541999	10.270	ppbv	99
13) Ethanol	3.58	45	53219	6.561	ppbv	97
14) Bromoethene	3.71	108	645739	9.345	ppbv	99
15) Acetone	3.83	43	836396	9.171	ppbv	98
16) 1,3-Butadiene	3.30	39	384965	9.804	ppbv	97
17) tert-Butyl alcohol	4.27	59	972059	8.043	ppbv	98
18) 1,1-Dichloroethene	4.26	96	681734	9.889	ppbv	98
19) Isopropyl Alcohol	3.94	45	456416	8.144	ppbv #	95
20) Methylene Chloride	4.32	84	545780	8.501	ppbv	99
21) Allyl Chloride	4.38	41	486669	9.868	ppbv	96
22) trans-1,2-Dichloroethene	4.86	96	714997	10.231	ppbv	99
23) Vinyl Acetate	5.05	43	1157591	9.055	ppbv	98
24) 1,1-Dichloroethane	4.99	63	1160353	9.528	ppbv	99
25) Ethyl Acetate	5.65	43	1799837	10.018	ppbv	99
26) Hexane	5.66	57	945504	9.543	ppbv	97
27) Carbon Disulfide	4.52	76	1464747	9.866	ppbv	100
28) Methyl tert-Butyl Ether	5.01	73	1583842	8.901	ppbv	99
29) Chloroform	5.73	83	1920035	9.859	ppbv	98
30) Cyclohexane	7.10	84	1002703	9.292	ppbv	98
31) cis-1,2-Dichloroethene	5.52	61	986306	9.676	ppbv	98
32) 1,1,1-Trichloroethane	6.48	97	1855531	9.131	ppbv	99
34) 2-Butanone	5.22	43	1142962	10.571	ppbv	97
35) Carbon Tetrachloride	6.99	117	1907062	10.714	ppbv	99
36) Benzene	6.86	78	2392935	9.662	ppbv	99
37) 1,2-Dichloroethane	6.28	62	1201398	10.708	ppbv	98
38) Trichloroethene	7.81	130	1127390	9.319	ppbv	97
39) 1,2-Dichloropropane	7.59	63	825456	9.899	ppbv	99
40) 1,4-Dioxane	7.80	88	342735	8.672	ppbv	69
41) Tetrahydrofuran	6.02	42	666495	10.850	ppbv	98
42) Bromodichloromethane	7.76	83	1967616	10.393	ppbv	98
43) Methyl Methacrylate	7.99	69	979383	10.367	ppbv	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.84	57	3300543	10.070	ppbv	99
45) t-1,3-Dichloropropene	9.25	75	1040785	10.393	ppbv	98
46) cis-1,3-Dichloropropene	8.68	75	1297425	10.230	ppbv	97
47) 1,1,2-Trichloroethane	9.45	97	1130880	9.953	ppbv	98
48) Dibromochloromethane	10.28	129	1878466	10.822	ppbv	100
49) Bromoform	13.01	173	1647413	11.248	ppbv	100
50) 4-Methyl-2-Pentanone	8.71	43	1834786	11.098	ppbv	98
51) 2-Hexanone	10.10	43	1529370	11.516	ppbv	98
52) Tetrachloroethene	11.19	164	1080275	9.207	ppbv	98
53) Toluene	9.78	91	2965220	9.922	ppbv	99
54) 1,2-Dibromoethane	10.58	107	1745425	10.101	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.10	131	1479535	10.309	ppbv	98
57) Chlorobenzene	12.12	112	2451567	9.642	ppbv	99
58) Ethyl Benzene	12.68	91	3959948	10.168	ppbv	98
59) m/p-Xylene	12.97	91	6787881m	20.600	ppbv	
60) o-Xylene	13.66	91	3314697	10.341	ppbv	98
61) Styrene	13.50	104	2491558	10.608	ppbv	99
62) Isopropylbenzene	14.64	105	5045941	10.015	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.65	83	2409506	9.701	ppbv	99
64) n-propylbenzene	15.54	120	1491365	10.241	ppbv	95
65) tert-Butylbenzene	16.72	119	4661730	10.166	ppbv	99
66) Benzyl Chloride	16.96	91	1583278	10.445	ppbv	98
67) sec-Butylbenzene	17.27	105	6386459	10.334	ppbv	99
69) p-Isopropyltoluene	17.63	119	5382553	10.554	ppbv	99
70) n-Butylbenzene	18.53	91	5427873	11.052	ppbv	99
71) 2-Chlorotoluene	15.43	91	3856766	10.466	ppbv	98
72) 4-Ethyltoluene	15.81	105	4097474	10.540	ppbv	100
73) 1,3,5-Trimethylbenzene	15.97	105	3816219	10.726	ppbv	97
74) 1,2,4-Trimethylbenzene	16.74	105	4030452	10.573	ppbv	99
75) 1,3-Dichlorobenzene	16.97	146	2550401	10.507	ppbv	100
76) 1,4-Dichlorobenzene	17.11	146	2503475	10.691	ppbv	99
77) 1,2-Dichlorobenzene	17.79	146	2521141	10.655	ppbv	99
78) Hexachloro-1,3-Butadiene	23.35	225	1449509	13.129	ppbv	100
79) Naphthalene	22.17	128	3696729	13.911	ppbv	99
80) Naphthalene, 2-methyl-	24.96	142	833104	19.237	ppbv	99
81) 1,2,4-Trichlorobenzene	21.90	180	1911479	12.874	ppbv	98

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

