

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL110320\
 Data File : VL035808.D
 Acq On : 3 Nov 2020 17:24
 Operator : SY/AP
 Sample : VL1103ABS01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1103ABS01

Manual Integrations
 APPROVED

MMDadoda
 11/5/2020 2:13:41 PM

Quant Time: Nov 04 05:28:22 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	5.65	49	1252605	10.00	ppbv	-0.01
33) 1,4-Difluorobenzene	7.17	114	5730306	10.00	ppbv	-0.01
55) Chlorobenzene-d5	12.08	117	5578106m	10.00	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	3799978	9.59	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	95.90%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.03	85	2258289	9.576	ppbv	99
3) Chlorodifluoromethane	2.97	51	1355312	9.035	ppbv	98
4) Chloromethane	3.13	50	657090	9.017	ppbv	100
5) Vinyl Chloride	3.24	62	890311	9.584	ppbv	99
6) Bromomethane	3.46	94	767341	10.271	ppbv	100
7) Chloroethane	3.55	64	337862	10.334	ppbv	99
8) Dichlorotetrafluoroethane	3.17	85	2546650	9.436	ppbv	100
9) Propene	3.00	41	513183	9.347	ppbv	100
10) Heptane	8.11	43	1394044	9.193	ppbv	95
11) Trichlorofluoromethane	3.94	101	2653512	8.961	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.47	101	2039224	9.249	ppbv	94
13) Ethanol	3.59	45	103967	8.729	ppbv	97
14) Bromoethene	3.73	108	1014489	9.998	ppbv	99
15) Acetone	3.84	43	1123254	8.388	ppbv	98
16) 1,3-Butadiene	3.31	39	519922	9.018	ppbv	92
17) tert-Butyl alcohol	4.28	59	1785073	10.058	ppbv	100
18) 1,1-Dichloroethene	4.28	96	995412	9.833	ppbv	96
19) Isopropyl Alcohol	3.96	45	791645	9.620	ppbv	# 96
20) Methylene Chloride	4.33	84	793611	8.418	ppbv	98
21) Allyl Chloride	4.40	41	722237	9.973	ppbv	97
22) trans-1,2-Dichloroethene	4.87	96	985341	9.602	ppbv	99
23) Vinyl Acetate	5.06	43	1727518	9.203	ppbv	98
24) 1,1-Dichloroethane	5.00	63	1716320	9.597	ppbv	99
25) Ethyl Acetate	5.66	43	2401312	9.102	ppbv	98
26) Hexane	5.67	57	1351740	9.291	ppbv	95
27) Carbon Disulfide	4.54	76	2246642	10.306	ppbv	98
28) Methyl tert-Butyl Ether	5.02	73	2595908	9.936	ppbv	99
29) Chloroform	5.74	83	2753578	9.629	ppbv	99
30) Cyclohexane	7.12	84	1615318	10.194	ppbv	90
31) cis-1,2-Dichloroethene	5.54	61	1475072	9.855	ppbv	93
32) 1,1,1-Trichloroethane	6.50	97	2773413	9.294	ppbv	99
34) 2-Butanone	5.23	43	1533220	8.244	ppbv	92
35) Carbon Tetrachloride	7.01	117	2741313	8.954	ppbv	97
36) Benzene	6.88	78	3758745	8.823	ppbv	99
37) 1,2-Dichloroethane	6.30	62	1700699	8.812	ppbv	97
38) Trichloroethene	7.83	130	1781575	8.562	ppbv	99
39) 1,2-Dichloropropane	7.60	63	1230941	8.582	ppbv	94
40) 1,4-Dioxane	7.82	88	590188	8.682	ppbv	89
41) Tetrahydrofuran	6.04	42	930345	8.805	ppbv	89
42) Bromodichloromethane	7.78	83	2958312	9.084	ppbv	100
43) Methyl Methacrylate	8.01	69	1532909	9.434	ppbv	91

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.86	57	4590317	8.143	ppbv	98
45) t-1,3-Dichloropropene	9.27	75	1802970	10.467	ppbv	99
46) cis-1,3-Dichloropropene	8.69	75	2150913	9.860	ppbv	95
47) 1,1,2-Trichloroethane	9.47	97	1756163	8.986	ppbv	99
48) Dibromochloromethane	10.30	129	2866376	9.600	ppbv	99
49) Bromoform	13.04	173	2458137	9.757	ppbv	100
50) 4-Methyl-2-Pentanone	8.73	43	2373108	8.345	ppbv	95
51) 2-Hexanone	10.12	43	1986167	8.694	ppbv #	92
52) Tetrachloroethene	11.21	164	1666309	8.256	ppbv	97
53) Toluene	9.80	91	4622022	8.992	ppbv	99
54) 1,2-Dibromoethane	10.60	107	2747040	9.243	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.12	131	2207408	8.817	ppbv	98
57) Chlorobenzene	12.14	112	3785461	8.535	ppbv	97
58) Ethyl Benzene	12.71	91	5875721	8.649	ppbv	97
59) m/p-Xylene	12.99	91	9656799m	16.801	ppbv	
60) o-Xylene	13.69	91	4684649	8.378	ppbv	98
61) Styrene	13.52	104	3908977	9.541	ppbv	98
62) Isopropylbenzene	14.66	105	7152819	8.139	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.67	83	3284995	7.582	ppbv	99
64) n-propylbenzene	15.56	120	2244017	8.834	ppbv	88
65) tert-Butylbenzene	16.74	119	6436318	8.046	ppbv	97
66) Benzyl Chloride	16.99	91	2762160	10.446	ppbv	96
67) sec-Butylbenzene	17.29	105	8475279	7.862	ppbv	97
69) p-Isopropyltoluene	17.65	119	7298429	8.204	ppbv	98
70) n-Butylbenzene	18.55	91	6986410	8.155	ppbv	97
71) 2-Chlorotoluene	15.45	91	5450403	8.479	ppbv	96
72) 4-Ethyltoluene	15.84	105	5822517	8.586	ppbv	98
73) 1,3,5-Trimethylbenzene	16.00	105	5361919	8.640	ppbv	97
74) 1,2,4-Trimethylbenzene	16.76	105	5394159	8.112	ppbv	96
75) 1,3-Dichlorobenzene	17.00	146	3533018	8.344	ppbv	99
76) 1,4-Dichlorobenzene	17.14	146	3604511	8.825	ppbv	99
77) 1,2-Dichlorobenzene	17.82	146	3535510	8.566	ppbv	99
78) Hexachloro-1,3-Butadiene	23.38	225	1595867	8.287	ppbv	100
79) Naphthalene	22.19	128	5097745	10.997	ppbv	100
80) Naphthalene, 2-methyl-	24.97	142	1446903	19.153	ppbv	97
81) 1,2,4-Trichlorobenzene	21.93	180	2528350	9.762	ppbv	99

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

