

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL092320\
 Data File : VL035706.D
 Acq On : 23 Sep 2020 4:40
 Operator : SY/AP
 Sample : VSTDIC001
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Manual Integrations
 APPROVED

MMDadoda
 9/24/2020 1:35:15 PM

Quant Time: Sep 23 05:41:12 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL092320AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Sep 23 2020
 QLast Update : Wed Sep 23 05:25:46 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1250217	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	4701722	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.11	117	4662480	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.44	95	3531392	10.54	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	105.40%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.04	85	238013	1.100	ppbv	96
3) Chlorodifluoromethane	2.99	51	146866	1.075	ppbv	97
4) Chloromethane	3.14	50	79731	1.090	ppbv	99
5) Vinyl Chloride	3.25	62	88519	0.975	ppbv	98
6) Bromomethane	3.47	94	75917	1.006	ppbv	92
7) Chloroethane	3.56	64	32223	1.008	ppbv	95
8) Dichlorotetrafluoroethane	3.19	85	282284	1.089	ppbv	98
9) Propene	3.01	41	51109	0.972	ppbv	98
10) Heptane	8.14	43	139677	0.973	ppbv	99
11) Trichlorofluoromethane	3.95	101	323434	1.037	ppbv	91
12) 1,1,2-Trichlorotrifluoroet	4.49	101	236153	1.006	ppbv	98
13) Ethanol	3.61	45	12900m	0.988	ppbv	
14) Bromoethene	3.74	108	95942	0.956	ppbv	99
15) Acetone	3.85	43	150026	1.106	ppbv	90
16) 1,3-Butadiene	3.33	39	48325	0.946	ppbv	95
17) tert-Butyl alcohol	4.30	59	165239	1.011	ppbv	100
18) 1,1-Dichloroethene	4.29	96	100371	0.972	ppbv	96
19) Isopropyl Alcohol	3.97	45	81181	1.016	ppbv #	93
20) Methylene Chloride	4.35	84	114149	1.117	ppbv	98
21) Allyl Chloride	4.42	41	66148	1.030	ppbv	98
22) trans-1,2-Dichloroethene	4.89	96	104754	0.951	ppbv	99
23) Vinyl Acetate	5.08	43	167894	0.960	ppbv #	95
24) 1,1-Dichloroethane	5.02	63	190563	1.052	ppbv	99
25) Ethyl Acetate	5.69	43	259054	1.060	ppbv	99
26) Hexane	5.70	57	139869	1.013	ppbv	95
27) Carbon Disulfide	4.56	76	193935	0.985	ppbv	99
28) Methyl tert-Butyl Ether	5.05	73	217409	0.926	ppbv	99
29) Chloroform	5.76	83	288373	1.034	ppbv	98
30) Cyclohexane	7.14	84	126238	0.868	ppbv	94
31) cis-1,2-Dichloroethene	5.56	61	127663	0.912	ppbv	92
32) 1,1,1-Trichloroethane	6.52	97	252209	0.935	ppbv	99
34) 2-Butanone	5.26	43	161574	1.129	ppbv	100
35) Carbon Tetrachloride	7.03	117	256273	1.079	ppbv	98
36) Benzene	6.90	78	315195	1.025	ppbv	98
37) 1,2-Dichloroethane	6.32	62	169845	1.147	ppbv	99
38) Trichloroethene	7.85	130	162373	0.919	ppbv	94
39) 1,2-Dichloropropane	7.62	63	116045	1.109	ppbv	99
40) 1,4-Dioxane	7.87	88	54912	1.077	ppbv	84
41) Tetrahydrofuran	6.07	42	74103	0.978	ppbv	97
42) Bromodichloromethane	7.80	83	262375	1.099	ppbv	98
43) Methyl Methacrylate	8.03	69	115885	0.967	ppbv	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.88	57	485633	1.184	ppbv	98
45) t-1,3-Dichloropropene	9.29	75	102452	0.846	ppbv	99
46) cis-1,3-Dichloropropene	8.72	75	134186	0.892	ppbv	96
47) 1,1,2-Trichloroethane	9.49	97	166908	1.090	ppbv	98
48) Dibromochloromethane	10.32	129	237315	0.993	ppbv	99
49) Bromoform	13.06	173	193981	0.911	ppbv	97
50) 4-Methyl-2-Pentanone	8.77	43	236009	1.135	ppbv	97
51) 2-Hexanone	10.17	43	180362	1.061	ppbv #	94
52) Tetrachloroethene	11.24	164	148679m	0.849	ppbv	
53) Toluene	9.83	91	357125	0.926	ppbv	97
54) 1,2-Dibromoethane	10.63	107	243668	1.011	ppbv	97
56) 1,1,1,2-Tetrachloroethane	12.15	131	207703	1.084	ppbv #	1
57) Chlorobenzene	12.17	112	394592	1.135	ppbv	94
58) Ethyl Benzene	12.73	91	486356	0.993	ppbv	94
59) m/p-Xylene	13.02	91	887523m	2.155	ppbv	
60) o-Xylene	13.72	91	444545	1.073	ppbv	98
61) Styrene	13.55	104	277165	0.886	ppbv	98
62) Isopropylbenzene	14.69	105	706547	1.071	ppbv	94
63) 1,1,2,2-Tetrachloroethane	13.70	83	371542	1.159	ppbv	98
64) n-propylbenzene	15.59	120	196453	0.984	ppbv	69
65) tert-Butylbenzene	16.78	119	645633	1.058	ppbv	96
66) Benzyl Chloride	17.02	91	144675	0.923	ppbv	96
67) sec-Butylbenzene	17.33	105	907902	1.110	ppbv	93
69) p-Isopropyltoluene	17.68	119	718084	1.010	ppbv	94
70) n-Butylbenzene	18.58	91	741240	1.072	ppbv	93
71) 2-Chlorotoluene	15.48	91	491381	1.019	ppbv	97
72) 4-Ethyltoluene	15.87	105	517334	0.993	ppbv	97
73) 1,3,5-Trimethylbenzene	16.03	105	491025	1.018	ppbv	89
74) 1,2,4-Trimethylbenzene	16.79	105	582441	1.098	ppbv	93
75) 1,3-Dichlorobenzene	17.02	146	396734	1.030	ppbv	97
76) 1,4-Dichlorobenzene	17.17	146	361182	0.951	ppbv	99
77) 1,2-Dichlorobenzene	17.85	146	361937	0.971	ppbv	100
78) Hexachloro-1,3-Butadiene	23.41	225	194246	0.833	ppbv	99
79) Naphthalene	22.25	128	501848	0.881	ppbv	98
80) Naphthalene, 2-methyl-	25.00	142	66140	0.357	ppbv	97
81) 1,2,4-Trichlorobenzene	21.97	180	261769	0.784	ppbv	98

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

