

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL120320\
 Data File : VL036048.D
 Acq On : 3 Dec 2020 11:06
 Operator : SY/AP
 Sample : VSTDIC001
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Manual Integrations
 APPROVED

MMDadoda
 12/7/2020 12:08:13 PM

Quant Time: Dec 03 12:21:02 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL120320AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LThu Dec 0
 QLast Update : Thu Dec 03 12:00:21 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1250710	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.16	114	4434697	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.07	117	4147252	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.40	95	3146356	10.68	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	106.80%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	3.03	85	225194	0.956 ppbv	98
3) Chlorodifluoromethane	2.97	51	150846	1.007 ppbv	100
4) Chloromethane	3.12	50	73393	1.009 ppbv	100
5) Vinyl Chloride	3.24	62	91679	0.988 ppbv	89
6) Bromomethane	3.46	94	68985	0.925 ppbv	100
7) Chloroethane	3.54	64	31891	0.977 ppbv	95
8) Dichlorotetrafluoroethane	3.17	85	267937	0.994 ppbv	98
9) Propene	3.00	41	49467	0.902 ppbv	97
10) Heptane	8.11	43	131036	0.865 ppbv	99
11) Trichlorofluoromethane	3.93	101	297910	1.008 ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.47	101	225676	1.025 ppbv	99
13) Ethanol	3.60	45	10329m	0.869 ppbv	
14) Bromoethene	3.72	108	84959	0.839 ppbv	94
15) Acetone	3.84	43	148467	1.110 ppbv	91
16) 1,3-Butadiene	3.31	39	56238	0.977 ppbv	94
17) tert-Butyl alcohol	4.29	59	152644m	0.861 ppbv	
18) 1,1-Dichloroethene	4.28	96	96934	0.959 ppbv	95
19) Isopropyl Alcohol	3.96	45	75912m	0.924 ppbv	
20) Methylene Chloride	4.33	84	126104	1.340 ppbv	97
21) Allyl Chloride	4.39	41	64719	0.895 ppbv	97
22) trans-1,2-Dichloroethene	4.87	96	94336	0.921 ppbv	94
23) Vinyl Acetate	5.06	43	127828	0.682 ppbv #	97
24) 1,1-Dichloroethane	4.99	63	180133	1.009 ppbv	99
25) Ethyl Acetate	5.67	43	261375	0.992 ppbv	99
26) Hexane	5.67	57	138859	0.956 ppbv	96
27) Carbon Disulfide	4.54	76	189220	0.869 ppbv	98
28) Methyl tert-Butyl Ether	5.03	73	203430	0.780 ppbv	100
29) Chloroform	5.74	83	257958	0.903 ppbv	97
30) Cyclohexane	7.11	84	115632	0.731 ppbv	88
31) cis-1,2-Dichloroethene	5.53	61	118781	0.795 ppbv	99
32) 1,1,1-Trichloroethane	6.49	97	231934	0.778 ppbv	99
34) 2-Butanone	5.23	43	140055	0.973 ppbv	94
35) Carbon Tetrachloride	7.00	117	219237	0.925 ppbv	96
36) Benzene	6.87	78	288326	0.875 ppbv	97
37) 1,2-Dichloroethane	6.29	62	150076	1.005 ppbv	98
38) Trichloroethene	7.82	130	128226	0.796 ppbv	96
39) 1,2-Dichloropropane	7.60	63	114811	1.034 ppbv	97
40) 1,4-Dioxane	7.85	88	36319m	0.690 ppbv	
41) Tetrahydrofuran	6.05	42	69952m	0.855 ppbv	
42) Bromodichloromethane	7.77	83	234547	0.931 ppbv	97
43) Methyl Methacrylate	8.00	69	93473	0.743 ppbv	96

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 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Dec 03 12:00:21 2020
 QLast Update : Thu Dec 03 12:00:21 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.85	57	454464	1.042	ppbv	98
45) t-1,3-Dichloropropene	9.26	75	73859	0.554	ppbv	96
46) cis-1,3-Dichloropropene	8.69	75	111379m	0.660	ppbv	
47) 1,1,2-Trichloroethane	9.46	97	143804	0.951	ppbv	97
48) Dibromochloromethane	10.29	129	178517	0.773	ppbv	100
49) Bromoform	13.02	173	119922	0.615	ppbv	97
50) 4-Methyl-2-Pentanone	8.74	43	215597m	0.980	ppbv	
51) 2-Hexanone	10.13	43	140253m	0.793	ppbv	
52) Tetrachloroethene	11.21	164	110353	0.707	ppbv	97
53) Toluene	9.79	91	291092	0.732	ppbv	97
54) 1,2-Dibromoethane	10.59	107	190208	0.827	ppbv	95
56) 1,1,1,2-Tetrachloroethane	12.11	131	163709	0.879	ppbv #	1
57) Chlorobenzene	12.13	112	312975	0.949	ppbv	99
58) Ethyl Benzene	12.70	91	369798	0.732	ppbv	97
59) m/p-Xylene	12.98	91	726102m	1.699	ppbv	
60) o-Xylene	13.68	91	370028	0.890	ppbv	98
61) Styrene	13.52	104	166742	0.547	ppbv	98
62) Isopropylbenzene	14.65	105	557468	0.853	ppbv	96
63) 1,1,2,2-Tetrachloroethane	13.66	83	305951	0.950	ppbv	99
64) n-propylbenzene	15.55	120	140092	0.742	ppbv	70
65) tert-Butylbenzene	16.73	119	463237	0.779	ppbv	98
66) Benzyl Chloride	16.98	91	77196	0.393	ppbv	100
67) sec-Butylbenzene	17.28	105	653156	0.815	ppbv	94
69) p-Isopropyltoluene	17.64	119	460193	0.696	ppbv	98
70) n-Butylbenzene	18.54	91	458285	0.720	ppbv	94
71) 2-Chlorotoluene	15.44	91	359480	0.752	ppbv	97
72) 4-Ethyltoluene	15.83	105	356565	0.707	ppbv	98
73) 1,3,5-Trimethylbenzene	15.99	105	330893	0.717	ppbv	98
74) 1,2,4-Trimethylbenzene	16.75	105	406658	0.823	ppbv	97
75) 1,3-Dichlorobenzene	16.98	146	238714	0.758	ppbv	100
76) 1,4-Dichlorobenzene	17.12	146	206086	0.679	ppbv	97
77) 1,2-Dichlorobenzene	17.81	146	220950	0.720	ppbv	98
78) Hexachloro-1,3-Butadiene	23.37	225	118833	0.830	ppbv	99
79) Naphthalene	22.20	128	126801m	0.368	ppbv	
80) Naphthalene, 2-methyl-	25.00	142	8831m	0.157	ppbv	
81) 1,2,4-Trichlorobenzene	21.92	180	101183m	0.525	ppbv	

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

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