

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL022620\
 Data File : VL034677.D
 Acq On : 26 Feb 2020 3:08
 Operator : SY/AP
 Sample : VSTDIC002
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Manual Integrations
 APPROVED

MMDadoda
 2/27/2020 5:19:13 PM

Quant Time: Feb 26 03:47:11 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL022620AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Feb 26 2020
 QLast Update : Wed Feb 26 03:37:46 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1135754	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	2391945	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.11	117	2447989	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.45	95	1970992	9.81	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.10%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.01	85	417766	2.379	ppbv	92
3) Chlorodifluoromethane	2.95	51	262114	1.907	ppbv	97
4) Chloromethane	3.11	50	143840	1.738	ppbv	95
5) Vinyl Chloride	3.22	62	134301	1.744	ppbv	91
6) Bromomethane	3.44	94	81649	2.031	ppbv	93
7) Chloroethane	3.53	64	51411	1.816	ppbv	90
8) Dichlorotetrafluoroethane	3.15	85	335121	1.900	ppbv	100
9) Propene	2.97	41	104825	1.884	ppbv	97
10) Heptane	8.13	43	273734	1.872	ppbv	97
11) Trichlorofluoromethane	3.93	101	334396	1.877	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.47	101	233475	1.901	ppbv	98
13) Ethanol	3.58	45	25172	1.469	ppbv	82
14) Bromoethene	3.71	108	95258	1.880	ppbv	97
15) Acetone	3.83	43	282154	1.830	ppbv	96
16) 1,3-Butadiene	3.29	39	116569	1.778	ppbv	92
17) tert-Butyl alcohol	4.28	59	162465	1.386	ppbv	99
18) 1,1-Dichloroethene	4.27	96	104919	1.871	ppbv	81
19) Isopropyl Alcohol	3.95	45	127086m	1.199	ppbv	
20) Methylene Chloride	4.32	84	98267	1.741	ppbv	90
21) Allyl Chloride	4.39	41	176873	1.884	ppbv	97
22) trans-1,2-Dichloroethene	4.87	96	97468	1.772	ppbv	88
23) Vinyl Acetate	5.06	43	374975	1.964	ppbv	99
24) 1,1-Dichloroethane	5.00	63	288317	1.813	ppbv	98
25) Ethyl Acetate	5.67	43	488257	1.837	ppbv	98
26) Hexane	5.68	57	223883	1.897	ppbv	99
27) Carbon Disulfide	4.54	76	254039	1.895	ppbv #	93
28) Methyl tert-Butyl Ether	5.03	73	329147	1.931	ppbv	99
29) Chloroform	5.75	83	358087	1.907	ppbv	93
30) Cyclohexane	7.13	84	175091	1.938	ppbv	93
31) cis-1,2-Dichloroethene	5.54	61	212787	1.860	ppbv	94
32) 1,1,1-Trichloroethane	6.51	97	328387	1.909	ppbv	98
34) 2-Butanone	5.24	43	319284m	1.882	ppbv	
35) Carbon Tetrachloride	7.02	117	329261	1.807	ppbv	96
36) Benzene	6.90	78	431500	1.915	ppbv #	92
37) 1,2-Dichloroethane	6.31	62	275115	1.865	ppbv	99
38) Trichloroethene	7.85	130	165035	1.929	ppbv	89
39) 1,2-Dichloropropane	7.62	63	173766m	1.873	ppbv	
40) 1,4-Dioxane	7.86	88	52329m	1.510	ppbv	
41) Tetrahydrofuran	6.05	42	164339	1.851	ppbv	99
42) Bromodichloromethane	7.80	83	361085	1.887	ppbv	99
43) Methyl Methacrylate	8.03	69	184465	2.088	ppbv	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL022620\
 Data File : VL034677.D
 Acq On : 26 Feb 2020 3:08
 Operator : SY/AP
 Sample : VSTDIC002
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Manual Integrations
 APPROVED

MMDadoda
 2/27/2020 5:19:13 PM

Quant Time: Feb 26 03:47:11 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL022620AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Feb 26 2020
 QLast Update : Wed Feb 26 03:37:46 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.88	57	785592	1.939	ppbv	98
45) t-1,3-Dichloropropene	9.29	75	195731	1.893	ppbv	90
46) cis-1,3-Dichloropropene	8.72	75	236979	1.959	ppbv #	87
47) 1,1,2-Trichloroethane	9.49	97	170441	1.739	ppbv	93
48) Dibromochloromethane	10.33	129	275589	1.831	ppbv	99
49) Bromoform	13.07	173	247147	1.878	ppbv	99
50) 4-Methyl-2-Pentanone	8.76	43	445921	1.851	ppbv	99
51) 2-Hexanone	10.16	43	358602	1.887	ppbv #	97
52) Tetrachloroethene	11.25	164	149019	1.874	ppbv	87
53) Toluene	9.83	91	476009	1.964	ppbv	97
54) 1,2-Dibromoethane	10.64	107	268494	1.967	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.15	131	215023	2.009	ppbv #	1
57) Chlorobenzene	12.18	112	381786	1.887	ppbv	96
58) Ethyl Benzene	12.74	91	644993	1.980	ppbv	96
59) m/p-Xylene	13.02	91	1132875m	3.965	ppbv	
60) o-Xylene	13.72	91	560756	1.965	ppbv	97
61) Styrene	13.56	104	364608	1.870	ppbv	99
62) Isopropylbenzene	14.70	105	824189	2.180	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.71	83	406574	1.794	ppbv	99
64) n-propylbenzene	15.60	120	207577	2.163	ppbv	82
65) tert-Butylbenzene	16.78	119	739539	2.243	ppbv	99
66) Benzyl Chloride	17.03	91	254125m	1.997	ppbv	
67) sec-Butylbenzene	17.33	105	1059887m	2.251	ppbv	
69) p-Isopropyltoluene	17.69	119	876989	2.344	ppbv	98
70) n-Butylbenzene	18.59	91	956760m	2.389	ppbv	
71) 2-Chlorotoluene	15.49	91	632741	2.183	ppbv	98
72) 4-Ethyltoluene	15.88	105	640554	2.033	ppbv	98
73) 1,3,5-Trimethylbenzene	16.03	105	614384	2.057	ppbv	94
74) 1,2,4-Trimethylbenzene	16.80	105	673813	2.093	ppbv	98
75) 1,3-Dichlorobenzene	17.04	146	384349	2.034	ppbv	99
76) 1,4-Dichlorobenzene	17.18	146	380190	2.038	ppbv	99
77) 1,2-Dichlorobenzene	17.86	146	363864	1.999	ppbv	98
78) Hexachloro-1,3-Butadiene	23.42	225	331344	2.223	ppbv	99
79) Naphthalene	22.27	128	618784	2.526	ppbv	97
80) Naphthalene, 2-methyl-	25.02	142	218517	4.233	ppbv	95
81) 1,2,4-Trichlorobenzene	21.99	180	357916	2.393	ppbv	100

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

