

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL022620\
 Data File : VL034682.D
 Acq On : 26 Feb 2020 6:18
 Operator : SY/AP
 Sample : VSTDIC015
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

Manual Integrations
 APPROVED

MMDadoda
 2/27/2020 5:19:35 PM

Quant Time: Feb 26 06:50:13 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	1127441	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	2371700	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.12	117	2501020	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.46	95	2018366	9.83	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.30%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.01	85	1755493	10.072	ppbv	97
3) Chlorodifluoromethane	2.95	51	1635730	11.991	ppbv	100
4) Chloromethane	3.11	50	967846	11.778	ppbv	98
5) Vinyl Chloride	3.22	62	920072	12.037	ppbv	95
6) Bromomethane	3.44	94	544772	13.653	ppbv	98
7) Chloroethane	3.53	64	339669	12.088	ppbv	96
8) Dichlorotetrafluoroethane	3.15	85	1956554	11.174	ppbv	100
9) Propene	2.97	41	712440	12.897	ppbv	98
10) Heptane	8.14	43	1981557	13.653	ppbv	100
11) Trichlorofluoromethane	3.93	101	2025107	11.450	ppbv	96
12) 1,1,2-Trichlorotrifluoroet	4.47	101	1417265	11.623	ppbv	99
13) Ethanol	3.57	45	185666	10.919	ppbv	98
14) Bromoethene	3.71	108	635963	12.643	ppbv	100
15) Acetone	3.83	43	1615137	10.553	ppbv	99
16) 1,3-Butadiene	3.29	39	851897	13.089	ppbv	99
17) tert-Butyl alcohol	4.28	59	1344923	11.558	ppbv	100
18) 1,1-Dichloroethene	4.27	96	663505	11.918	ppbv	96
19) Isopropyl Alcohol	3.95	45	1069875	10.168	ppbv	99
20) Methylene Chloride	4.33	84	610958	10.903	ppbv	97
21) Allyl Chloride	4.39	41	1202008	12.895	ppbv	98
22) trans-1,2-Dichloroethene	4.87	96	670961	12.287	ppbv	96
23) Vinyl Acetate	5.06	43	2586218	13.647	ppbv	99
24) 1,1-Dichloroethane	5.00	63	1885081	11.938	ppbv	99
25) Ethyl Acetate	5.67	43	3144928	11.921	ppbv	99
26) Hexane	5.68	57	1478895	12.623	ppbv	97
27) Carbon Disulfide	4.53	76	1804459	13.557	ppbv	100
28) Methyl tert-Butyl Ether	5.02	73	1991663	11.773	ppbv	99
29) Chloroform	5.75	83	2221939	11.920	ppbv	100
30) Cyclohexane	7.14	84	1204965	13.439	ppbv	98
31) cis-1,2-Dichloroethene	5.55	61	1531559	13.484	ppbv	96
32) 1,1,1-Trichloroethane	6.52	97	2121886	12.428	ppbv	98
34) 2-Butanone	5.24	43	2144979	12.754	ppbv	100
35) Carbon Tetrachloride	7.03	117	2214649	12.261	ppbv	98
36) Benzene	6.90	78	2879151	12.884	ppbv	# 96
37) 1,2-Dichloroethane	6.31	62	1820579	12.449	ppbv	99
38) Trichloroethene	7.85	130	1064686	12.551	ppbv	97
39) 1,2-Dichloropropane	7.63	63	1188651	12.925	ppbv	96
40) 1,4-Dioxane	7.84	88	385382	11.219	ppbv	81
41) Tetrahydrofuran	6.05	42	1211925	13.769	ppbv	100
42) Bromodichloromethane	7.81	83	2414726	12.729	ppbv	100
43) Methyl Methacrylate	8.03	69	1373862	15.683	ppbv	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL022620\
 Data File : VL034682.D
 Acq On : 26 Feb 2020 6:18
 Operator : SY/AP
 Sample : VSTDIC015
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

Manual Integrations
 APPROVED

MMDadoda
 2/27/2020 5:19:35 PM

Quant Time: Feb 26 06:50:13 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	4885884	12.162	ppbv	98
45) t-1,3-Dichloropropene	9.30	75	1640611	16.000	ppbv	96
46) cis-1,3-Dichloropropene	8.72	75	1874985	15.633	ppbv	97
47) 1,1,2-Trichloroethane	9.50	97	1196517	12.313	ppbv	97
48) Dibromochloromethane	10.33	129	1993864	13.364	ppbv	99
49) Bromoform	13.08	173	1747412	13.394	ppbv	99
50) 4-Methyl-2-Pentanone	8.76	43	3229899	13.523	ppbv	99
51) 2-Hexanone	10.16	43	2705485	14.359	ppbv #	100
52) Tetrachloroethene	11.26	164	993933	12.605	ppbv	98
53) Toluene	9.83	91	3318515	13.808	ppbv	99
54) 1,2-Dibromoethane	10.64	107	1830471	13.523	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.16	131	1436665	13.137	ppbv	99
57) Chlorobenzene	12.18	112	2417785	11.698	ppbv	98
58) Ethyl Benzene	12.74	91	4367156	13.125	ppbv	98
59) m/p-Xylene	13.03	91	7179212m	24.594	ppbv	
60) o-Xylene	13.73	91	3538193	12.134	ppbv	99
61) Styrene	13.56	104	2641042	13.256	ppbv	99
62) Isopropylbenzene	14.71	105	5103702	13.212	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.72	83	2558979	11.051	ppbv	99
64) n-propylbenzene	15.60	120	1408818	14.369	ppbv	93
65) tert-Butylbenzene	16.79	119	4392376	13.041	ppbv	99
66) Benzyl Chloride	17.04	91	2172782	16.713	ppbv	99
67) sec-Butylbenzene	17.34	105	6257751	13.009	ppbv	98
69) p-Isopropyltoluene	17.70	119	5206904	13.620	ppbv	98
70) n-Butylbenzene	18.60	91	5621970	13.740	ppbv	97
71) 2-Chlorotoluene	15.49	91	4094158	13.824	ppbv	98
72) 4-Ethyltoluene	15.88	105	4198364	13.045	ppbv	100
73) 1,3,5-Trimethylbenzene	16.04	105	3935085	12.893	ppbv	98
74) 1,2,4-Trimethylbenzene	16.81	105	3950654	12.012	ppbv	91
75) 1,3-Dichlorobenzene	17.05	146	2330751	12.072	ppbv	99
76) 1,4-Dichlorobenzene	17.19	146	2373310	12.455	ppbv	99
77) 1,2-Dichlorobenzene	17.87	146	2284921	12.285	ppbv	99
78) Hexachloro-1,3-Butadiene	23.42	225	1839425	12.080	ppbv	99
79) Naphthalene	22.26	128	3968273	15.858	ppbv	99
80) Naphthalene, 2-methyl-	25.02	142	1514756	28.719	ppbv	98
81) 1,2,4-Trichlorobenzene	21.99	180	2225163	14.562	ppbv	99

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

