

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL060719\
 Data File : VL033875.D
 Acq On : 7 Jun 2019 2:44
 Operator : SY/AP
 Sample : VSTDICC002
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC002

Manual Integrations
 APPROVED

MMDadoda
 6/11/2019 9:18:15 AM

Quant Time: Jun 07 06:25:32 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL060719AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Jun 0
 QLast Update : Fri Jun 07 05:42:58 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.75	49	964524	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.28	114	2260188	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.23	117	2277777	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.56	95	1875414	10.18	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.80%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.07	85	293022	1.504 ppbv	99
3) Chlorodifluoromethane	3.01	51	229735	2.069 ppbv	98
4) Chloromethane	3.17	50	135067	2.127 ppbv	95
5) Vinyl Chloride	3.29	62	128084	1.979 ppbv	92
6) Bromomethane	3.51	94	80353	2.033 ppbv	98
7) Chloroethane	3.59	64	47617	2.061 ppbv	90
8) Dichlorotetrafluoroethane	3.21	85	344001	2.070 ppbv	99
9) Propene	3.03	41	87479	1.889 ppbv	96
10) Heptane	8.23	43	214117	1.634 ppbv	100
11) Trichlorofluoromethane	4.00	101	407110	2.085 ppbv	96
12) 1,1,2-Trichlorotrifluoroet	4.54	101	277337	2.040 ppbv	99
13) Ethanol	3.64	45	32741	2.196 ppbv	99
14) Bromoethene	3.78	108	103255	2.032 ppbv	98
15) Acetone	3.90	43	303809	2.274 ppbv	99
16) 1,3-Butadiene	3.35	39	111404	2.065 ppbv	99
17) tert-Butyl alcohol	4.35	59	208199	1.874 ppbv	99
18) 1,1-Dichloroethene	4.35	96	116391	2.027 ppbv	95
19) Isopropyl Alcohol	4.02	45	153111	1.763 ppbv #	96
20) Methylene Chloride	4.40	84	110928	2.137 ppbv	98
21) Allyl Chloride	4.47	41	162148	1.953 ppbv	99
22) trans-1,2-Dichloroethene	4.96	96	122076	2.039 ppbv	93
23) Vinyl Acetate	5.14	43	343501	1.957 ppbv #	99
24) 1,1-Dichloroethane	5.08	63	261728	1.945 ppbv	99
25) Ethyl Acetate	5.76	43	441116	1.892 ppbv	99
26) Hexane	5.77	57	212498	2.125 ppbv	92
27) Carbon Disulfide	4.61	76	271569	1.955 ppbv	99
28) Methyl tert-Butyl Ether	5.11	73	310855	1.876 ppbv	100
29) Chloroform	5.83	83	340029	1.834 ppbv	97
30) Cyclohexane	7.23	84	136082	1.629 ppbv #	78
31) cis-1,2-Dichloroethene	5.63	61	173857	1.735 ppbv	100
32) 1,1,1-Trichloroethane	6.61	97	335428	1.808 ppbv	98
34) 2-Butanone	5.32	43	265624	1.901 ppbv	98
35) Carbon Tetrachloride	7.12	117	355819	1.962 ppbv	99
36) Benzene	6.99	78	349890	1.733 ppbv	96
37) 1,2-Dichloroethane	6.40	62	257951	1.936 ppbv	100
38) Trichloroethene	7.95	130	148026	1.933 ppbv	93
39) 1,2-Dichloropropane	7.72	63	133720	1.767 ppbv	95
40) 1,4-Dioxane	7.95	88	49303	1.544 ppbv #	54
41) Tetrahydrofuran	6.14	42	131068	1.706 ppbv	98
42) Bromodichloromethane	7.90	83	340326	1.875 ppbv	99
43) Methyl Methacrylate	8.13	69	127509	1.701 ppbv	95

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL060719\
 Data File : VL033875.D
 Acq On : 7 Jun 2019 2:44
 Operator : SY/AP
 Sample : VSTDIC002
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Manual Integrations
 APPROVED

MMDadoda
 6/11/2019 9:18:15 AM

Quant Time: Jun 07 06:25:32 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL060719AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Jun 0
 QLast Update : Fri Jun 07 05:42:58 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

44) 2,2,4-Trimethylpentane	7.98	57	629325	1.830	ppbv	97
45) t-1,3-Dichloropropene	9.40	75	156152	1.645	ppbv	99
46) cis-1,3-Dichloropropene	8.82	75	185510	1.676	ppbv	100
47) 1,1,2-Trichloroethane	9.60	97	155852	1.798	ppbv	99
48) Dibromochloromethane	10.44	129	281270	1.864	ppbv	99
49) Bromoform	13.19	173	244010	1.886	ppbv	99
50) 4-Methyl-2-Pentanone	8.86	43	391489	1.839	ppbv	98
51) 2-Hexanone	10.26	43	311459	1.874	ppbv #	96
52) Tetrachloroethene	11.36	164	131481	1.828	ppbv	96
53) Toluene	9.93	91	386223	1.759	ppbv	99
54) 1,2-Dibromoethane	10.75	107	236332	1.789	ppbv	96
56) 1,1,1,2-Tetrachloroethane	12.27	131	201676	1.929	ppbv #	1
57) Chlorobenzene	12.29	112	348884	1.880	ppbv	95
58) Ethyl Benzene	12.85	91	548071	1.849	ppbv	99
59) m/p-Xylene	13.13	91	992722m	3.812	ppbv	
60) o-Xylene	13.83	91	516522	1.949	ppbv	98
61) Styrene	13.67	104	329301	1.864	ppbv	98
62) Isopropylbenzene	14.81	105	677869	1.902	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.82	83	384885	1.987	ppbv	100
64) n-propylbenzene	15.70	120	179648	1.953	ppbv	96
65) tert-Butylbenzene	16.89	119	653088	2.006	ppbv	96
66) Benzyl Chloride	17.14	91	281851	1.814	ppbv	100
67) sec-Butylbenzene	17.44	105	912040	1.999	ppbv	99
69) p-Isopropyltoluene	17.80	119	762816	2.021	ppbv	99
70) n-Butylbenzene	18.70	91	842116	2.076	ppbv	98
71) 2-Chlorotoluene	15.60	91	523198	1.981	ppbv	97
72) 4-Ethyltoluene	15.98	105	593749	1.962	ppbv	98
73) 1,3,5-Trimethylbenzene	16.14	105	579449	1.958	ppbv	95
74) 1,2,4-Trimethylbenzene	16.91	105	668310	2.070	ppbv #	92
75) 1,3-Dichlorobenzene	17.15	146	402348	2.030	ppbv	99
76) 1,4-Dichlorobenzene	17.29	146	375827	1.999	ppbv	99
77) 1,2-Dichlorobenzene	17.97	146	369579	1.983	ppbv	99
78) Hexachloro-1,3-Butadiene	23.53	225	312021	2.234	ppbv	98
79) Naphthalene	22.39	128	564041	1.947	ppbv	96
80) Naphthalene, 2-methyl-	25.10	142	204522	1.961	ppbv #	94
81) 1,2,4-Trichlorobenzene	22.12	180	342953	1.982	ppbv	100

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

