

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL070219\
 Data File : VL033989.D
 Acq On : 2 Jul 2019 13:40
 Operator : SY/AP
 Sample : VSTDICCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Manual Integrations
 APPROVED

MMDadoda
 7/3/2019 11:03:26 PM

Quant Time: Jul 02 16:29:33 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL070219AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Jun 0
 QLast Update : Fri Jun 07 08:53:27 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.74	49	1134196	10.00	ppbv	-0.01
33) 1,4-Difluorobenzene	7.27	114	2912923	10.00	ppbv	-0.01
55) Chlorobenzene-d5	12.21	117	3038174m	10.00	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.54	95	3010246	12.06	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	120.60%

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	3.06	85	1976886	10.742	ppbv	99
3) Chlorodifluoromethane	3.00	51	1292000	9.676	ppbv	98
4) Chloromethane	3.16	50	731011	9.598	ppbv	95
5) Vinyl Chloride	3.27	62	801439	11.341	ppbv	98
6) Bromomethane	3.50	94	512355	10.913	ppbv	95
7) Chloroethane	3.58	64	308139	11.026	ppbv	97
8) Dichlorotetrafluoroethane	3.20	85	2081037	10.580	ppbv	98
9) Propene	3.02	41	485539	9.718	ppbv	99
10) Heptane	8.22	43	1396514	11.059	ppbv	95
11) Trichlorofluoromethane	3.99	101	2278219	9.594	ppbv	96
12) 1,1,2-Trichlorotrifluoroet	4.53	101	1614826	10.062	ppbv	99
13) Ethanol	3.63	45	133441	8.209	ppbv	96
14) Bromoethene	3.77	108	685418	11.461	ppbv	99
15) Acetone	3.88	43	1536033	9.286	ppbv	100
16) 1,3-Butadiene	3.35	39	667218	10.597	ppbv	96
17) tert-Butyl alcohol	4.34	59	1440190	11.137	ppbv	99
18) 1,1-Dichloroethene	4.33	96	754277	11.127	ppbv	95
19) Isopropyl Alcohol	4.00	45	1141423	12.079	ppbv	100
20) Methylene Chloride	4.39	84	656540	10.178	ppbv	98
21) Allyl Chloride	4.46	41	1099977	11.706	ppbv	98
22) trans-1,2-Dichloroethene	4.94	96	768961	10.761	ppbv	97
23) Vinyl Acetate	5.13	43	2025087	10.532	ppbv	98
24) 1,1-Dichloroethane	5.07	63	1615539	10.803	ppbv	100
25) Ethyl Acetate	5.74	43	2596774	10.308	ppbv	99
26) Hexane	5.75	57	1177515	10.266	ppbv	97
27) Carbon Disulfide	4.60	76	1953689	12.260	ppbv	96
28) Methyl tert-Butyl Ether	5.09	73	2114278	12.190	ppbv	99
29) Chloroform	5.82	83	2077669	10.576	ppbv	100
30) Cyclohexane	7.22	84	982930	12.129	ppbv	97
31) cis-1,2-Dichloroethene	5.62	61	1239868	12.327	ppbv	99
32) 1,1,1-Trichloroethane	6.59	97	2100313	11.084	ppbv	98
34) 2-Butanone	5.31	43	1579008	9.609	ppbv	95
35) Carbon Tetrachloride	7.11	117	2227905	9.899	ppbv	99
36) Benzene	6.98	78	2437748	10.956	ppbv	99
37) 1,2-Dichloroethane	6.39	62	1652806	10.044	ppbv	98
38) Trichloroethene	7.93	130	1071793	12.371	ppbv	96
39) 1,2-Dichloropropane	7.71	63	883557	10.288	ppbv	97
40) 1,4-Dioxane	7.93	88	386436	11.033	ppbv #	1
41) Tetrahydrofuran	6.12	42	842428	10.100	ppbv	90
42) Bromodichloromethane	7.89	83	2275770	10.348	ppbv	98
43) Methyl Methacrylate	8.11	69	979905	11.775	ppbv	95

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL070219\
 Data File : VL033989.D
 Acq On : 2 Jul 2019 13:40
 Operator : SY/AP
 Sample : VSTDICCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Manual Integrations
 APPROVED

MMDadoda
 7/3/2019 11:03:26 PM

Quant Time: Jul 02 16:29:33 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL070219AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Jun 0
 QLast Update : Fri Jun 07 08:53:27 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.96	57	4084404	10.322	ppbv	100
45) t-1,3-Dichloropropene	9.38	75	1390715	12.736	ppbv	97
46) cis-1,3-Dichloropropene	8.81	75	1539311	12.304	ppbv	100
47) 1,1,2-Trichloroethane	9.59	97	1069942	10.451	ppbv	99
48) Dibromochloromethane	10.42	129	1993785	10.837	ppbv	99
49) Bromoform	13.17	173	1825285	11.238	ppbv	99
50) 4-Methyl-2-Pentanone	8.84	43	2432923	9.928	ppbv	96
51) 2-Hexanone	10.24	43	1994424	10.423	ppbv	95
52) Tetrachloroethene	11.34	164	1032574	13.188	ppbv	95
53) Toluene	9.91	91	2996276	12.168	ppbv	99
54) 1,2-Dibromoethane	10.73	107	1661328	10.765	ppbv	96
56) 1,1,1,2-Tetrachloroethane	12.25	131	1308672	9.860	ppbv	99
57) Chlorobenzene	12.27	112	2297580	10.097	ppbv	98
58) Ethyl Benzene	12.83	91	4034934	11.780	ppbv	99
59) m/p-Xylene	13.12	91	6785591m	21.784	ppbv	
60) o-Xylene	13.82	91	3352791	10.425	ppbv	99
61) Styrene	13.65	104	2528650	12.150	ppbv	99
62) Isopropylbenzene	14.79	105	6017573	13.882	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.81	83	2349070	9.703	ppbv	98
64) n-propylbenzene	15.69	120	1566880	14.116	ppbv	100
65) tert-Butylbenzene	16.87	119	5463716	13.623	ppbv	99
66) Benzyl Chloride	17.12	91	3094781	15.226	ppbv	100
67) sec-Butylbenzene	17.43	105	7518331	13.362	ppbv	100
69) p-Isopropyltoluene	17.78	119	6252804	13.356	ppbv	100
70) n-Butylbenzene	18.68	91	6523775	12.723	ppbv	99
71) 2-Chlorotoluene	15.58	91	4612311	14.443	ppbv	99
72) 4-Ethyltoluene	15.97	105	5190529	14.183	ppbv	99
73) 1,3,5-Trimethylbenzene	16.12	105	5076509	14.082	ppbv	99
74) 1,2,4-Trimethylbenzene	16.89	105	5329208	12.826	ppbv	98
75) 1,3-Dichlorobenzene	17.14	146	3184850	12.240	ppbv	99
76) 1,4-Dichlorobenzene	17.27	146	3091337	12.939	ppbv	99
77) 1,2-Dichlorobenzene	17.95	146	3003404	12.508	ppbv	99
78) Hexachloro-1,3-Butadiene	23.51	225	2237526	11.930	ppbv	99
79) Naphthalene	22.37	128	4758556	14.328	ppbv	98
80) Naphthalene, 2-methyl-	25.09	142	1629060	12.294	ppbv	97
81) 1,2,4-Trichlorobenzene	22.10	180	2849162	13.588	ppbv	100

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

