

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL071119\
 Data File : VL034033.D
 Acq On : 12 Jul 2019 9:30
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VSTDCCC010EC

Manual Integrations
 APPROVED

MMDadoda
 7/12/2019 10:47:28 PM

Quant Time: Jul 12 15:45:36 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL070219AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Jul 0
 QLast Update : Tue Jul 02 19:31:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.73	49	957602	10.00	ppbv	-0.01
33) 1,4-Difluorobenzene	7.26	114	2753381	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.20	117	2837514m	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.53	95	2134862	8.82	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	88.20%

Target Compounds						Ovalue
2) Dichlorodifluoromethane	3.06	85	2181409	11.039	ppbv	98
3) Chlorodifluoromethane	2.99	51	1130985	9.564	ppbv	97
4) Chloromethane	3.15	50	679111	9.988	ppbv	99
5) Vinyl Chloride	3.27	62	742951	9.717	ppbv	96
6) Bromomethane	3.49	94	462439	10.257	ppbv	99
7) Chloroethane	3.57	64	280993	10.283	ppbv	98
8) Dichlorotetrafluoroethane	3.20	85	1801844	9.352	ppbv	100
9) Propene	3.01	41	495035	11.380	ppbv	96
10) Heptane	8.21	43	1404717	12.897	ppbv	98
11) Trichlorofluoromethane	3.98	101	1878315	8.453	ppbv	98
12) 1,1,2-Trichlorotrifluoroet	4.52	101	1437130	9.137	ppbv	100
13) Ethanol	3.62	45	99280	7.347	ppbv	95
14) Bromoethene	3.76	108	646034	10.999	ppbv	97
15) Acetone	3.88	43	1383685	8.594	ppbv	98
16) 1,3-Butadiene	3.34	39	626973	11.028	ppbv	100
17) tert-Butyl alcohol	4.33	59	1026612	7.998	ppbv	100
18) 1,1-Dichloroethene	4.32	96	643464	9.185	ppbv	96
19) Isopropyl Alcohol	4.00	45	767601	7.103	ppbv	100
20) Methylene Chloride	4.38	84	558024	7.947	ppbv	97
21) Allyl Chloride	4.45	41	1063461	10.594	ppbv	96
22) trans-1,2-Dichloroethene	4.93	96	710134	10.639	ppbv	98
23) Vinyl Acetate	5.12	43	2116835	13.173	ppbv	97
24) 1,1-Dichloroethane	5.06	63	1594182	11.194	ppbv	99
25) Ethyl Acetate	5.73	43	2443284	11.095	ppbv	100
26) Hexane	5.75	57	1102062	10.936	ppbv	99
27) Carbon Disulfide	4.59	76	1748366	10.206	ppbv	98
28) Methyl tert-Butyl Ether	5.08	73	2152751	12.615	ppbv	99
29) Chloroform	5.81	83	1839294	9.712	ppbv	99
30) Cyclohexane	7.21	84	1043821	13.413	ppbv	97
31) cis-1,2-Dichloroethene	5.61	61	1130393	11.611	ppbv	97
32) 1,1,1-Trichloroethane	6.58	97	1836521	9.568	ppbv	98
34) 2-Butanone	5.30	43	1663205	11.414	ppbv	99
35) Carbon Tetrachloride	7.09	117	2103333	9.650	ppbv	99
36) Benzene	6.97	78	2538094	11.781	ppbv	99
37) 1,2-Dichloroethane	6.38	62	1399000	8.814	ppbv	97
38) Trichloroethene	7.92	130	1050015	10.953	ppbv	98
39) 1,2-Dichloropropane	7.70	63	909421	11.352	ppbv	93
40) 1,4-Dioxane	7.92	88	336018	9.085	ppbv #	93
41) Tetrahydrofuran	6.11	42	838461	11.733	ppbv	97
42) Bromodichloromethane	7.88	83	2191833	10.292	ppbv	99
43) Methyl Methacrylate	8.10	69	1027821	12.574	ppbv	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL071119\
 Data File : VL034033.D
 Acq On : 12 Jul 2019 9:30
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Manual Integrations
 APPROVED

MMDadoda
 7/12/2019 10:47:28 PM

Quant Time: Jul 12 15:45:36 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL070219AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Jul 0
 QLast Update : Tue Jul 02 19:31:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.95	57	4161307	11.190	ppbv	99
45) t-1,3-Dichloropropene	9.37	75	1360311	12.726	ppbv	98
46) cis-1,3-Dichloropropene	8.80	75	1541098	12.449	ppbv	96
47) 1,1,2-Trichloroethane	9.58	97	1058626	10.510	ppbv	99
48) Dibromochloromethane	10.41	129	1866275	9.710	ppbv	99
49) Bromoform	13.16	173	1661162	10.117	ppbv	99
50) 4-Methyl-2-Pentanone	8.83	43	2473222	11.438	ppbv	99
51) 2-Hexanone	10.23	43	1977397	11.339	ppbv #	100
52) Tetrachloroethene	11.33	164	979490	10.563	ppbv	96
53) Toluene	9.90	91	3015507	12.227	ppbv	99
54) 1,2-Dibromoethane	10.72	107	1613774	10.856	ppbv	95
56) 1,1,1,2-Tetrachloroethane	12.24	131	1245034	9.817	ppbv	99
57) Chlorobenzene	12.26	112	2242125	9.925	ppbv	96
58) Ethyl Benzene	12.82	91	3995341	11.709	ppbv	98
59) m/p-Xylene	13.11	91	6549632m	21.199	ppbv	
60) o-Xylene	13.81	91	3251650	10.520	ppbv	98
61) Styrene	13.64	104	2461612	12.034	ppbv	99
62) Isopropylbenzene	14.79	105	4328543	9.110	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.80	83	2183895	9.128	ppbv	99
64) n-propylbenzene	15.68	120	1096442	8.899	ppbv	100
65) tert-Butylbenzene	16.87	119	3789963	9.380	ppbv	100
66) Benzyl Chloride	17.11	91	2043197	9.884	ppbv	100
67) sec-Butylbenzene	17.42	105	5376748	9.480	ppbv	100
69) p-Isopropyltoluene	17.77	119	4448608	9.514	ppbv	100
70) n-Butylbenzene	18.67	91	4745939	9.662	ppbv	99
71) 2-Chlorotoluene	15.58	91	3246139	9.335	ppbv	99
72) 4-Ethyltoluene	15.96	105	3820024	9.624	ppbv	97
73) 1,3,5-Trimethylbenzene	16.12	105	3585611	9.709	ppbv	99
74) 1,2,4-Trimethylbenzene	16.88	105	3745388	9.156	ppbv	99
75) 1,3-Dichlorobenzene	17.12	146	2189077	8.425	ppbv	100
76) 1,4-Dichlorobenzene	17.27	146	2167116	8.855	ppbv	100
77) 1,2-Dichlorobenzene	17.95	146	2136976	8.882	ppbv	99
78) Hexachloro-1,3-Butadiene	23.50	225	2191641	10.705	ppbv	98
79) Naphthalene	22.36	128	4028360	11.713	ppbv	98
80) Naphthalene, 2-methyl-	25.08	142	1478679	11.816	ppbv	97
81) 1,2,4-Trichlorobenzene	22.08	180	2266291	10.261	ppbv	99

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

