

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL092120\
 Data File : VL035702.D
 Acq On : 22 Sep 2020 8:12
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Manual Integrations
 APPROVED

MMDadoda
 9/22/2020 2:06:11 PM

Quant Time: Sep 22 09:14:49 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL082720AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Sep 22 09:14:49 2020
 QLast Update : Tue Sep 22 01:39:30 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1048669	10.00	ppbv	-0.01
33) 1,4-Difluorobenzene	7.17	114	4081504	10.00	ppbv	-0.01
55) Chlorobenzene-d5	12.09	117	4180146	10.00	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	2999811	10.11	ppbv	-0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.10%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.03	85	1343333	7.392	ppbv	99
3) Chlorodifluoromethane	2.97	51	1226982	10.579	ppbv	99
4) Chloromethane	3.12	50	658492	10.597	ppbv	100
5) Vinyl Chloride	3.24	62	774133	10.105	ppbv	100
6) Bromomethane	3.46	94	671974	10.443	ppbv	97
7) Chloroethane	3.54	64	293991	10.855	ppbv	95
8) Dichlorotetrafluoroethane	3.17	85	2100314	9.543	ppbv	91
9) Propene	2.99	41	474105	10.603	ppbv	99
10) Heptane	8.11	43	1372551	11.429	ppbv	99
11) Trichlorofluoromethane	3.93	101	2617717	9.877	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.47	101	1969410	9.846	ppbv	92
13) Ethanol	3.59	45	104793	9.453	ppbv	99
14) Bromoethene	3.72	108	878119	10.199	ppbv	99
15) Acetone	3.83	43	1075754	9.301	ppbv	98
16) 1,3-Butadiene	3.31	39	488573	11.348	ppbv	98
17) tert-Butyl alcohol	4.28	59	1393271	9.897	ppbv	100
18) 1,1-Dichloroethene	4.27	96	919870	10.443	ppbv	96
19) Isopropyl Alcohol	3.95	45	674245	9.772	ppbv #	97
20) Methylene Chloride	4.33	84	791862	9.193	ppbv	95
21) Allyl Chloride	4.40	41	643923	11.884	ppbv	98
22) trans-1,2-Dichloroethene	4.87	96	960507	10.243	ppbv	93
23) Vinyl Acetate	5.06	43	1697397	11.434	ppbv	99
24) 1,1-Dichloroethane	5.00	63	1640759	10.740	ppbv	100
25) Ethyl Acetate	5.66	43	2278402	11.151	ppbv	99
26) Hexane	5.68	57	1270931	10.978	ppbv	98
27) Carbon Disulfide	4.54	76	2035251	12.251	ppbv	100
28) Methyl tert-Butyl Ether	5.02	73	2145882	10.635	ppbv	98
29) Chloroform	5.74	83	2488939	10.552	ppbv	100
30) Cyclohexane	7.12	84	1368845	11.037	ppbv	96
31) cis-1,2-Dichloroethene	5.54	61	1353802	11.398	ppbv	96
32) 1,1,1-Trichloroethane	6.50	97	2420451	10.578	ppbv	98
34) 2-Butanone	5.23	43	1537269	12.691	ppbv	97
35) Carbon Tetrachloride	7.01	117	2497070	12.173	ppbv	100
36) Benzene	6.88	78	3122956	11.820	ppbv	99
37) 1,2-Dichloroethane	6.30	62	1542780	12.248	ppbv	98
38) Trichloroethene	7.83	130	1720029	11.208	ppbv	95
39) 1,2-Dichloropropane	7.61	63	1077625	12.074	ppbv	98
40) 1,4-Dioxane	7.82	88	508190	11.398	ppbv	67
41) Tetrahydrofuran	6.04	42	859863	13.387	ppbv	97
42) Bromodichloromethane	7.79	83	2603938	12.784	ppbv	99
43) Methyl Methacrylate	8.01	69	1332802	13.046	ppbv	95

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL092120\
 Data File : VL035702.D
 Acq On : 22 Sep 2020 8:12
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Manual Integrations
 APPROVED

MMDadoda
 9/22/2020 2:06:11 PM

Quant Time: Sep 22 09:14:49 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL082720AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Sep 22 2020
 QLast Update : Tue Sep 22 01:39:30 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.86	57	4226545	12.158	ppbv	98
45) t-1,3-Dichloropropene	9.28	75	1507998	14.571	ppbv	99
46) cis-1,3-Dichloropropene	8.70	75	1777718	13.835	ppbv	97
47) 1,1,2-Trichloroethane	9.47	97	1536532	11.667	ppbv	96
48) Dibromochloromethane	10.30	129	2564864	12.375	ppbv	100
49) Bromoform	13.04	173	2301245	12.251	ppbv	100
50) 4-Methyl-2-Pentanone	8.73	43	2274885	12.970	ppbv	99
51) 2-Hexanone	10.13	43	1936499	13.459	ppbv #	97
52) Tetrachloroethene	11.22	164	2504012	16.223	ppbv	95
53) Toluene	9.80	91	3938112	11.853	ppbv	100
54) 1,2-Dibromoethane	10.61	107	2415721	11.609	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.13	131	1988346	11.690	ppbv	99
57) Chlorobenzene	12.15	112	3323431	10.803	ppbv	96
58) Ethyl Benzene	12.71	91	5127699	11.896	ppbv	100
59) m/p-Xylene	13.00	91	8824179m	24.499	ppbv	
60) o-Xylene	13.70	91	4318561	11.904	ppbv	97
61) Styrene	13.53	104	3404159	12.269	ppbv	98
62) Isopropylbenzene	14.67	105	6460079	11.086	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.68	83	3156364	11.222	ppbv	99
64) n-propylbenzene	15.57	120	1999643	11.244	ppbv	87
65) tert-Butylbenzene	16.75	119	5988379	11.055	ppbv	95
66) Benzyl Chloride	17.00	91	2408410	17.889	ppbv	96
67) sec-Butylbenzene	17.30	105	8029156	11.125	ppbv	96
69) p-Isopropyltoluene	17.66	119	6858570	10.834	ppbv	97
70) n-Butylbenzene	18.56	91	6948758	11.395	ppbv	97
71) 2-Chlorotoluene	15.46	91	5003281	11.790	ppbv	95
72) 4-Ethyltoluene	15.85	105	5345943	11.591	ppbv	98
73) 1,3,5-Trimethylbenzene	16.00	105	4964703	11.639	ppbv	97
74) 1,2,4-Trimethylbenzene	16.77	105	5199331	11.099	ppbv	97
75) 1,3-Dichlorobenzene	17.00	146	3475799	10.017	ppbv	98
76) 1,4-Dichlorobenzene	17.15	146	3486817	10.189	ppbv	98
77) 1,2-Dichlorobenzene	17.83	146	3409762	10.143	ppbv	98
78) Hexachloro-1,3-Butadiene	23.39	225	1996770	9.303	ppbv	100
79) Naphthalene	22.21	128	5720187	11.005	ppbv	99
80) Naphthalene, 2-methyl-	24.99	142	2046730	11.537	ppbv	99
81) 1,2,4-Trichlorobenzene	21.94	180	2937651	9.438	ppbv	100

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

