

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL101620\
 Data File : VL035782.D
 Acq On : 16 Oct 2020 11:05
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Manual Integrations
 APPROVED

MMDadoda
 10/19/2020 11:10:05 AM

Quant Time: Oct 17 03:26:57 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL092320AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Sep 23 07:38:05 2020
 QLast Update : Wed Sep 23 07:38:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1107343	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.18	114	4292246	10.00	ppbv	-0.01
55) Chlorobenzene-d5	12.10	117	4209317m	10.00	ppbv	-0.02

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.43	95	3127478	9.92	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.20%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.04	85	1488354	8.191	ppbv	100
3) Chlorodifluoromethane	2.98	51	1208912	10.148	ppbv	99
4) Chloromethane	3.13	50	642704	10.043	ppbv	96
5) Vinyl Chloride	3.25	62	769065	10.160	ppbv	98
6) Bromomethane	3.46	94	639049	9.987	ppbv	98
7) Chloroethane	3.55	64	285566	10.286	ppbv	97
8) Dichlorotetrafluoroethane	3.18	85	2088111	9.475	ppbv	100
9) Propene	3.00	41	466246	10.779	ppbv	100
10) Heptane	8.12	43	1345101	11.155	ppbv	99
11) Trichlorofluoromethane	3.94	101	2530864	9.762	ppbv	97
12) 1,1,2-Trichlorotrifluoroet	4.48	101	1874230	9.698	ppbv	100
13) Ethanol	3.60	45	99471	9.325	ppbv	96
14) Bromoethene	3.73	108	849435	10.435	ppbv	100
15) Acetone	3.84	43	1057729	8.877	ppbv	100
16) 1,3-Butadiene	3.32	39	481058	11.036	ppbv	99
17) tert-Butyl alcohol	4.29	59	1456015	11.218	ppbv	100
18) 1,1-Dichloroethene	4.28	96	878955	10.388	ppbv	97
19) Isopropyl Alcohol	3.96	45	700643	10.810	ppbv #	97
20) Methylene Chloride	4.34	84	723113	8.262	ppbv	97
21) Allyl Chloride	4.40	41	632143	10.945	ppbv	99
22) trans-1,2-Dichloroethene	4.88	96	910559	10.186	ppbv	98
23) Vinyl Acetate	5.07	43	1686232	11.554	ppbv	99
24) 1,1-Dichloroethane	5.01	63	1612511	10.144	ppbv	99
25) Ethyl Acetate	5.67	43	2213904	10.326	ppbv	100
26) Hexane	5.68	57	1227870	10.451	ppbv	99
27) Carbon Disulfide	4.54	76	1961327	11.200	ppbv	99
28) Methyl tert-Butyl Ether	5.03	73	2194506	11.783	ppbv	99
29) Chloroform	5.75	83	2421491	10.149	ppbv	99
30) Cyclohexane	7.13	84	1329792	11.472	ppbv	99
31) cis-1,2-Dichloroethene	5.55	61	1310010	11.551	ppbv	98
32) 1,1,1-Trichloroethane	6.51	97	2387066	11.350	ppbv	100
34) 2-Butanone	5.24	43	1527892	10.762	ppbv	99
35) Carbon Tetrachloride	7.02	117	2422150	10.823	ppbv	99
36) Benzene	6.89	78	3077360	11.003	ppbv	100
37) 1,2-Dichloroethane	6.31	62	1512893	10.379	ppbv	100
38) Trichloroethene	7.84	130	1503359	10.775	ppbv	98
39) 1,2-Dichloropropane	7.62	63	1073954	10.594	ppbv	97
40) 1,4-Dioxane	7.83	88	501352	10.814	ppbv	97
41) Tetrahydrofuran	6.05	42	866769	12.119	ppbv	99
42) Bromodichloromethane	7.80	83	2542345	10.827	ppbv	100
43) Methyl Methacrylate	8.02	69	1295379	11.646	ppbv	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL101620\
 Data File : VL035782.D
 Acq On : 16 Oct 2020 11:05
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Manual Integrations
 APPROVED

MMDadoda
 10/19/2020 11:10:05 AM

Quant Time: Oct 17 03:26:57 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL092320AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Sep 23 07:38:05 2020
 QLast Update : Wed Sep 23 07:38:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.87	57	4147902	10.335	ppbv	99
45) t-1,3-Dichloropropene	9.29	75	1465565	13.050	ppbv	99
46) cis-1,3-Dichloropropene	8.71	75	1745182	12.607	ppbv	99
47) 1,1,2-Trichloroethane	9.48	97	1478447	10.182	ppbv	99
48) Dibromochloromethane	10.31	129	2487554	11.256	ppbv	100
49) Bromoform	13.05	173	2240023	11.946	ppbv	100
50) 4-Methyl-2-Pentanone	8.74	43	2240285	10.804	ppbv	100
51) 2-Hexanone	10.14	43	1888999	11.307	ppbv #	100
52) Tetrachloroethene	11.23	164	1445185	10.745	ppbv	99
53) Toluene	9.81	91	3841920	11.649	ppbv	99
54) 1,2-Dibromoethane	10.62	107	2326861	10.702	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.14	131	1937451	10.977	ppbv	97
57) Chlorobenzene	12.16	112	3191821	10.039	ppbv	99
58) Ethyl Benzene	12.72	91	4979256	11.786	ppbv	99
59) m/p-Xylene	13.01	91	8466018m	22.946	ppbv	
60) o-Xylene	13.71	91	4113420	11.021	ppbv	100
61) Styrene	13.54	104	3249367	12.591	ppbv	99
62) Isopropylbenzene	14.68	105	6220569	10.746	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.69	83	2980077	9.737	ppbv	100
64) n-propylbenzene	15.58	120	1907788	11.260	ppbv	99
65) tert-Butylbenzene	16.76	119	5729781	10.886	ppbv	99
66) Benzyl Chloride	17.01	91	2123501	13.316	ppbv	98
67) sec-Butylbenzene	17.31	105	7663041	10.543	ppbv	100
69) p-Isopropyltoluene	17.67	119	6468316	10.939	ppbv	99
70) n-Butylbenzene	18.57	91	6382603	10.482	ppbv	99
71) 2-Chlorotoluene	15.47	91	4737625	11.220	ppbv	99
72) 4-Ethyltoluene	15.86	105	5056001	11.436	ppbv	100
73) 1,3,5-Trimethylbenzene	16.01	105	4672202	11.183	ppbv	98
74) 1,2,4-Trimethylbenzene	16.78	105	4839152	10.275	ppbv	99
75) 1,3-Dichlorobenzene	17.01	146	3210842	9.985	ppbv	99
76) 1,4-Dichlorobenzene	17.16	146	3243414	10.552	ppbv	99
77) 1,2-Dichlorobenzene	17.83	146	3142211	10.346	ppbv	99
78) Hexachloro-1,3-Butadiene	23.40	225	1705349	10.177	ppbv	100
79) Naphthalene	22.23	128	4778891	10.638	ppbv	100
80) Naphthalene, 2-methyl-	24.99	142	1412081	13.327	ppbv	98
81) 1,2,4-Trichlorobenzene	21.95	180	2493552	10.711	ppbv	100

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

