

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL120320\
 Data File : VL036062.D
 Acq On : 3 Dec 2020 22:27
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VSTDCCC010EC

Manual Integrations
 APPROVED

MMDadoda
 12/7/2020 12:08:40 PM

Quant Time: Dec 05 16:33:09 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL120320AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LThu Dec 0
 QLast Update : Thu Dec 03 14:59:53 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1294249	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	4586219	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.08	117	4522300m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	3411465	9.91	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.10%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.03	85	2037210	9.145	ppbv	99
3) Chlorodifluoromethane	2.97	51	1520134	10.008	ppbv	99
4) Chloromethane	3.12	50	767167	10.272	ppbv	99
5) Vinyl Chloride	3.24	62	948007	9.998	ppbv	99
6) Bromomethane	3.46	94	755212	10.254	ppbv	100
7) Chloroethane	3.54	64	357561	10.531	ppbv	98
8) Dichlorotetrafluoroethane	3.17	85	2641895	9.931	ppbv	99
9) Propene	2.99	41	593046	11.160	ppbv	99
10) Heptane	8.11	43	1647361	11.230	ppbv	100
11) Trichlorofluoromethane	3.93	101	2889717	9.634	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.47	101	2183255	9.551	ppbv	98
13) Ethanol	3.59	45	91299m	9.085	ppbv	
14) Bromoethene	3.73	108	966423	10.372	ppbv	97
15) Acetone	3.84	43	1256844	8.974	ppbv	98
16) 1,3-Butadiene	3.31	39	612417	10.449	ppbv	98
17) tert-Butyl alcohol	4.28	59	1517558	10.501	ppbv	99
18) 1,1-Dichloroethene	4.28	96	1025326	10.137	ppbv	98
19) Isopropyl Alcohol	3.96	45	719525	10.396	ppbv	99
20) Methylene Chloride	4.33	84	866612	7.505	ppbv	96
21) Allyl Chloride	4.40	41	809974	11.538	ppbv	96
22) trans-1,2-Dichloroethene	4.87	96	1026627	10.113	ppbv	99
23) Vinyl Acetate	5.06	43	1823598	11.804	ppbv	99
24) 1,1-Dichloroethane	5.00	63	1826947	10.125	ppbv	100
25) Ethyl Acetate	5.67	43	2812742	10.261	ppbv	100
26) Hexane	5.68	57	1480393	10.074	ppbv	99
27) Carbon Disulfide	4.54	76	2313967	11.083	ppbv	99
28) Methyl tert-Butyl Ether	5.02	73	2396183	11.038	ppbv	100
29) Chloroform	5.74	83	2725902	10.022	ppbv	98
30) Cyclohexane	7.12	84	1498111	11.423	ppbv	99
31) cis-1,2-Dichloroethene	5.54	61	1518822	11.393	ppbv	100
32) 1,1,1-Trichloroethane	6.50	97	2590450	10.402	ppbv	100
34) 2-Butanone	5.23	43	1729763	11.176	ppbv	98
35) Carbon Tetrachloride	7.01	117	2537776	10.647	ppbv	99
36) Benzene	6.88	78	3538728	11.116	ppbv	99
37) 1,2-Dichloroethane	6.30	62	1721337	10.537	ppbv	99
38) Trichloroethene	7.83	130	1569681	11.127	ppbv	97
39) 1,2-Dichloropropane	7.61	63	1265176	10.587	ppbv	97
40) 1,4-Dioxane	7.82	88	471360	11.816	ppbv	95
41) Tetrahydrofuran	6.04	42	1021017	12.481	ppbv	100
42) Bromodichloromethane	7.78	83	2883316	11.279	ppbv	97
43) Methyl Methacrylate	8.01	69	1462926	12.533	ppbv	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL120320\
 Data File : VL036062.D
 Acq On : 3 Dec 2020 22:27
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Manual Integrations
 APPROVED

MMDadoda
 12/7/2020 12:08:40 PM

Quant Time: Dec 05 16:33:09 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL120320AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Dec 0
 QLast Update : Thu Dec 03 14:59:53 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.86	57	4977219	10.628	ppbv	99
45) t-1,3-Dichloropropene	9.27	75	1473898	13.504	ppbv	100
46) cis-1,3-Dichloropropene	8.69	75	1896197	13.174	ppbv	99
47) 1,1,2-Trichloroethane	9.47	97	1607877	10.595	ppbv	98
48) Dibromochloromethane	10.30	129	2485223	11.808	ppbv	100
49) Bromoform	13.03	173	1927070	12.364	ppbv	100
50) 4-Methyl-2-Pentanone	8.73	43	2704673	11.172	ppbv	99
51) 2-Hexanone	10.12	43	2146560	12.313	ppbv	98
52) Tetrachloroethene	11.22	164	1393854	11.384	ppbv	98
53) Toluene	9.80	91	4171700	11.990	ppbv	100
54) 1,2-Dibromoethane	10.60	107	2365340	11.091	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.12	131	1922420	10.409	ppbv	97
57) Chlorobenzene	12.14	112	3289331	9.882	ppbv	100
58) Ethyl Benzene	12.70	91	5248964	11.588	ppbv	98
59) m/p-Xylene	12.99	91	8893692m	21.626	ppbv	
60) o-Xylene	13.69	91	4359033	10.542	ppbv	99
61) Styrene	13.52	104	3064647	12.971	ppbv	100
62) Isopropylbenzene	14.66	105	6320544	10.285	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.67	83	3108746	9.144	ppbv	100
64) n-propylbenzene	15.56	120	1805670	11.103	ppbv	97
65) tert-Butylbenzene	16.74	119	5466420	10.596	ppbv	100
66) Benzyl Chloride	16.99	91	1562252	12.671	ppbv	100
67) sec-Butylbenzene	17.29	105	7342701	10.377	ppbv	100
69) p-Isopropyltoluene	17.65	119	5886083	11.099	ppbv	100
70) n-Butylbenzene	18.55	91	5781986	10.927	ppbv	100
71) 2-Chlorotoluene	15.45	91	4678125	10.997	ppbv	99
72) 4-Ethyltoluene	15.83	105	4888520	11.432	ppbv	99
73) 1,3,5-Trimethylbenzene	15.99	105	4439176	11.041	ppbv	99
74) 1,2,4-Trimethylbenzene	16.76	105	4627812	10.337	ppbv	94
75) 1,3-Dichlorobenzene	16.99	146	2697580	10.062	ppbv	100
76) 1,4-Dichlorobenzene	17.13	146	2633263	10.395	ppbv	99
77) 1,2-Dichlorobenzene	17.81	146	2492467	10.075	ppbv	100
78) Hexachloro-1,3-Butadiene	23.37	225	1392632	10.206	ppbv	99
79) Naphthalene	22.19	128	2931704	13.718	ppbv	99
80) Naphthalene, 2-methyl-	24.98	142	973658	21.758	ppbv	99
81) 1,2,4-Trichlorobenzene	21.92	180	1706982	11.813	ppbv	99

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

