

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL112420\
 Data File : VL035996.D
 Acq On : 24 Nov 2020 15:50
 Operator : SY/AP
 Sample : VL1124ABS01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1124ABS01

Manual Integrations
 APPROVED

MMDadoda
 11/27/2020 1:14:27 PM

Quant Time: Nov 25 00:45:32 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL110320AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Nov 04
 QLast Update : Wed Nov 04 02:40:06 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1221688	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.15	114	4432162	10.00	ppbv	-0.03
55) Chlorobenzene-d5	12.06	117	4429059m	10.00	ppbv	-0.03

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.40	95	3461123	11.00	ppbv	-0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	110.00%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.02	85	1394849	6.064	ppbv	98
3) Chlorodifluoromethane	2.97	51	1396480	9.545	ppbv	100
4) Chloromethane	3.12	50	703084	9.892	ppbv	100
5) Vinyl Chloride	3.23	62	877001	9.680	ppbv	100
6) Bromomethane	3.45	94	712645	9.780	ppbv	99
7) Chloroethane	3.54	64	326559	10.241	ppbv	97
8) Dichlorotetrafluoroethane	3.17	85	2339385	8.887	ppbv	96
9) Propene	2.99	41	518357	9.680	ppbv	98
10) Heptane	8.10	43	1536271	10.387	ppbv	99
11) Trichlorofluoromethane	3.93	101	2853681	9.881	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.46	101	2137710	9.941	ppbv	97
13) Ethanol	3.59	45	118855	10.231	ppbv	96
14) Bromoethene	3.72	108	922950	9.326	ppbv	100
15) Acetone	3.83	43	1211921	9.279	ppbv	99
16) 1,3-Butadiene	3.30	39	564697	10.042	ppbv	98
17) tert-Butyl alcohol	4.27	59	1777195	10.267	ppbv	99
18) 1,1-Dichloroethene	4.27	96	977840	9.904	ppbv	94
19) Isopropyl Alcohol	3.95	45	880934	10.975	ppbv	# 98
20) Methylene Chloride	4.32	84	870177	9.464	ppbv	98
21) Allyl Chloride	4.39	41	728735	10.317	ppbv	98
22) trans-1,2-Dichloroethene	4.86	96	987210	9.864	ppbv	97
23) Vinyl Acetate	5.05	43	1710809	9.345	ppbv	99
24) 1,1-Dichloroethane	4.99	63	1699787	9.745	ppbv	100
25) Ethyl Acetate	5.65	43	2607364	10.133	ppbv	99
26) Hexane	5.66	57	1399252	9.861	ppbv	98
27) Carbon Disulfide	4.53	76	2200261	10.348	ppbv	99
28) Methyl tert-Butyl Ether	5.01	73	2237779	8.782	ppbv	99
29) Chloroform	5.73	83	2625296	9.413	ppbv	98
30) Cyclohexane	7.11	84	1413190	9.144	ppbv	96
31) cis-1,2-Dichloroethene	5.53	61	1396616	9.567	ppbv	96
32) 1,1,1-Trichloroethane	6.49	97	2516098	8.645	ppbv	98
34) 2-Butanone	5.22	43	1622469	11.279	ppbv	98
35) Carbon Tetrachloride	7.00	117	2500950	10.561	ppbv	97
36) Benzene	6.87	78	3303898	10.027	ppbv	99
37) 1,2-Dichloroethane	6.29	62	1645656	11.024	ppbv	99
38) Trichloroethene	7.81	130	1545641	9.604	ppbv	96
39) 1,2-Dichloropropane	7.59	63	1178238	10.621	ppbv	98
40) 1,4-Dioxane	7.81	88	568952	10.821	ppbv	98
41) Tetrahydrofuran	6.03	42	936831	11.464	ppbv	97
42) Bromodichloromethane	7.77	83	2721672	10.805	ppbv	100
43) Methyl Methacrylate	7.99	69	1366181	10.870	ppbv	95

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL112420\
 Data File : VL035996.D
 Acq On : 24 Nov 2020 15:50
 Operator : SY/AP
 Sample : VL1124ABS01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1124ABS01

Manual Integrations
 APPROVED

MMDadoda
 11/27/2020 1:14:27 PM

Quant Time: Nov 25 00:45:32 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL110320AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Nov 04
 QLast Update : Wed Nov 04 02:40:06 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.85	57	4710845	10.804	ppbv	99
45) t-1,3-Dichloropropene	9.26	75	1436253	10.780	ppbv	99
46) cis-1,3-Dichloropropene	8.68	75	1824783	10.815	ppbv	99
47) 1,1,2-Trichloroethane	9.46	97	1544292	10.216	ppbv	98
48) Dibromochloromethane	10.28	129	2478272	10.732	ppbv	100
49) Bromoform	13.02	173	2016870	10.350	ppbv	99
50) 4-Methyl-2-Pentanone	8.72	43	2587790	11.765	ppbv	98
51) 2-Hexanone	10.11	43	2086818	11.811	ppbv #	97
52) Tetrachloroethene	11.20	164	1352916	8.667	ppbv	98
53) Toluene	9.78	91	3995892	10.050	ppbv	99
54) 1,2-Dibromoethane	10.59	107	2321444	10.098	ppbv	96
56) 1,1,1,2-Tetrachloroethane	12.10	131	1922962	9.673	ppbv	97
57) Chlorobenzene	12.12	112	3231200	9.176	ppbv	99
58) Ethyl Benzene	12.69	91	5165200	9.575	ppbv	99
59) m/p-Xylene	12.98	91	8832454m	19.353	ppbv	
60) o-Xylene	13.67	91	4330532	9.754	ppbv	99
61) Styrene	13.51	104	3156277	9.703	ppbv	99
62) Isopropylbenzene	14.65	105	6373396	9.133	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.66	83	3138196	9.123	ppbv	99
64) n-propylbenzene	15.54	120	1851770	9.181	ppbv	93
65) tert-Butylbenzene	16.73	119	5679058	8.941	ppbv	98
66) Benzyl Chloride	16.97	91	2010895	9.578	ppbv	97
67) sec-Butylbenzene	17.28	105	7673346	8.965	ppbv	98
69) p-Isopropyltoluene	17.64	119	6264854	8.869	ppbv	99
70) n-Butylbenzene	18.53	91	6282265	9.236	ppbv	99
71) 2-Chlorotoluene	15.44	91	4807538	9.419	ppbv	97
72) 4-Ethyltoluene	15.82	105	5022019	9.327	ppbv	99
73) 1,3,5-Trimethylbenzene	15.98	105	4612841	9.361	ppbv	97
74) 1,2,4-Trimethylbenzene	16.74	105	4848163	9.182	ppbv	97
75) 1,3-Dichlorobenzene	16.98	146	2919964	8.685	ppbv	99
76) 1,4-Dichlorobenzene	17.12	146	2869396	8.848	ppbv	98
77) 1,2-Dichlorobenzene	17.80	146	2774486	8.466	ppbv	99
78) Hexachloro-1,3-Butadiene	23.36	225	1325493	8.668	ppbv	100
79) Naphthalene	22.18	128	3145191	8.545	ppbv	99
80) Naphthalene, 2-methyl-	24.96	142	339788	5.665	ppbv	97
81) 1,2,4-Trichlorobenzene	21.91	180	1626102	7.907	ppbv	99

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

