

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL032320\
 Data File : VL034930.D
 Acq On : 23 Mar 2020 14:36
 Operator : SY/AP
 Sample : VL0323ABSD01
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0323ABSD01

Quant Time: Mar 24 03:17:51 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL030920AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Mar 09 16:42:53 2020
 QLast Update : Mon Mar 09 16:42:53 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	987810	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	2183602	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.11	117	2295692	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.45	95	1839894	10.28	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.80%

Target Compounds

	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.01	85	757409	5.599	ppbv	99
3) Chlorodifluoromethane	2.94	51	1104327	10.008	ppbv	99
4) Chloromethane	3.10	50	656983	10.535	ppbv	98
5) Vinyl Chloride	3.22	62	640533	10.683	ppbv	93
6) Bromomethane	3.44	94	379842	10.883	ppbv	99
7) Chloroethane	3.52	64	233932	10.804	ppbv	97
8) Dichlorotetrafluoroethane	3.15	85	1334915	9.502	ppbv	96
9) Propene	2.97	41	527898	10.020	ppbv	100
10) Heptane	8.12	43	1379924	10.643	ppbv	100
11) Trichlorofluoromethane	3.92	101	1422853	9.887	ppbv	97
12) 1,1,2-Trichlorotrifluoroet	4.46	101	1010735	10.035	ppbv	96
13) Ethanol	3.57	45	154568	9.650	ppbv	92
14) Bromoethene	3.70	108	450781	10.363	ppbv	100
15) Acetone	3.82	43	1161618	9.073	ppbv	99
16) 1,3-Butadiene	3.29	39	587039	10.140	ppbv	100
17) tert-Butyl alcohol	4.27	59	1033965	8.383	ppbv	99
18) 1,1-Dichloroethene	4.26	96	467963	10.492	ppbv	99
19) Isopropyl Alcohol	3.94	45	773581	9.568	ppbv	# 40
20) Methylene Chloride	4.32	84	412673	10.195	ppbv	91
21) Allyl Chloride	4.38	41	814650	9.907	ppbv	99
22) trans-1,2-Dichloroethene	4.86	96	471229	10.414	ppbv	97
23) Vinyl Acetate	5.05	43	1909559	10.097	ppbv	99
24) 1,1-Dichloroethane	4.99	63	1292352	10.193	ppbv	99
25) Ethyl Acetate	5.66	43	2271257	9.957	ppbv	100
26) Hexane	5.67	57	1026035	10.446	ppbv	97
27) Carbon Disulfide	4.52	76	1196525	10.735	ppbv	98
28) Methyl tert-Butyl Ether	5.01	73	1541922	9.435	ppbv	99
29) Chloroform	5.74	83	1524108	10.170	ppbv	99
30) Cyclohexane	7.13	84	853464	10.414	ppbv	99
31) cis-1,2-Dichloroethene	5.54	61	1040068	10.354	ppbv	97
32) 1,1,1-Trichloroethane	6.51	97	1457769	9.983	ppbv	98
34) 2-Butanone	5.23	43	1525923	10.516	ppbv	100
35) Carbon Tetrachloride	7.02	117	1493424	10.996	ppbv	99
36) Benzene	6.89	78	2024156	10.400	ppbv	99
37) 1,2-Dichloroethane	6.30	62	1188466	10.829	ppbv	99
38) Trichloroethene	7.84	130	744496	10.072	ppbv	98
39) 1,2-Dichloropropane	7.62	63	803224	10.416	ppbv	98
40) 1,4-Dioxane	7.83	88	308327m	10.587	ppbv	
41) Tetrahydrofuran	6.04	42	860771	10.963	ppbv	99
42) Bromodichloromethane	7.80	83	1623401	10.853	ppbv	97
43) Methyl Methacrylate	8.02	69	912709	11.131	ppbv	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.87	57	3509697	10.671	ppbv	100
45) t-1,3-Dichloropropene	9.29	75	1039336	10.789	ppbv	100
46) cis-1,3-Dichloropropene	8.71	75	1210766	10.576	ppbv	98
47) 1,1,2-Trichloroethane	9.49	97	831338	10.505	ppbv	98
48) Dibromochloromethane	10.32	129	1359252	10.606	ppbv	100
49) Bromoform	13.07	173	1186709	10.385	ppbv	99
50) 4-Methyl-2-Pentanone	8.75	43	2235533	10.702	ppbv	100
51) 2-Hexanone	10.14	43	1839437	10.835	ppbv #	100
52) Tetrachloroethene	11.24	164	711551	9.241	ppbv	98
53) Toluene	9.82	91	2345332	10.435	ppbv	100
54) 1,2-Dibromoethane	10.63	107	1264057	10.611	ppbv	97
56) 1,1,1,2-Tetrachloroethane	12.15	131	1011195	9.806	ppbv	98
57) Chlorobenzene	12.17	112	1743616	9.707	ppbv	97
58) Ethyl Benzene	12.73	91	3141829	10.106	ppbv	99
59) m/p-Xylene	13.02	91	5209238m	20.000	ppbv	
60) o-Xylene	13.72	91	2557013	10.055	ppbv	99
61) Styrene	13.55	104	1874625	10.504	ppbv	98
62) Isopropylbenzene	14.70	105	3777833	9.825	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.71	83	1817646	10.528	ppbv	100
64) n-propylbenzene	15.59	120	994356	9.935	ppbv	90
65) tert-Butylbenzene	16.78	119	3288289	9.782	ppbv	97
66) Benzyl Chloride	17.02	91	1280776	9.138	ppbv	97
67) sec-Butylbenzene	17.33	105	4730315	10.148	ppbv	99
69) p-Isopropyltoluene	17.68	119	3933661	10.065	ppbv	99
70) n-Butylbenzene	18.58	91	4218857	10.580	ppbv	99
71) 2-Chlorotoluene	15.48	91	2950408	10.132	ppbv	98
72) 4-Ethyltoluene	15.87	105	3051333	10.160	ppbv	99
73) 1,3,5-Trimethylbenzene	16.03	105	2852741	10.147	ppbv	95
74) 1,2,4-Trimethylbenzene	16.80	105	2965072	10.237	ppbv	95
75) 1,3-Dichlorobenzene	17.03	146	1715315	9.822	ppbv	99
76) 1,4-Dichlorobenzene	17.18	146	1718418	9.860	ppbv	99
77) 1,2-Dichlorobenzene	17.85	146	1677933	9.912	ppbv	98
78) Hexachloro-1,3-Butadiene	23.41	225	1381128	9.768	ppbv	100
79) Naphthalene	22.25	128	2856590	12.646	ppbv	99
80) Naphthalene,2-methyl-	25.01	142	1215936	20.599	ppbv	99
81) 1,2,4-Trichlorobenzene	21.98	180	1645417	11.466	ppbv	99

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

