

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL101920\
 Data File : VL035793.D
 Acq On : 19 Oct 2020 14:03
 Operator : SY/AP
 Sample : L4214-15 MDL 0.4
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-01-QT4-2020

Quant Time: Oct 20 08:21:28 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)
1) Bromochloromethane	5.65	49	1132953	10.00	ppbv	-0.04
33) 1,4-Difluorobenzene	7.16	114	4199846	10.00	ppbv	-0.04
55) Chlorobenzene-d5	12.07	117	4056134	10.00	ppbv	-0.04

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	3086913	10.16	ppbv	-0.04
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.60%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.03	85	94864	0.510	ppbv	98
3) Chlorodifluoromethane	2.97	51	52158	0.428	ppbv	100
4) Chloromethane	3.12	50	28255	0.432	ppbv	98
5) Vinyl Chloride	3.24	62	30898	0.399	ppbv	97
6) Bromomethane	3.45	94	26387	0.403	ppbv	87
7) Chloroethane	3.54	64	12480	0.439	ppbv #	82
8) Dichlorotetrafluoroethane	3.17	85	99607	0.442	ppbv	96
9) Propene	2.99	41	16574	0.375	ppbv	98
10) Heptane	8.11	43	36111	0.293	ppbv	99
11) Trichlorofluoromethane	3.93	101	113700	0.429	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.47	101	84436	0.427	ppbv	99
13) Ethanol	3.59	45	5989m	0.549	ppbv	
14) Bromoethene	3.72	108	30812	0.370	ppbv #	99
15) Acetone	3.84	43	65682	0.539	ppbv #	87
16) 1,3-Butadiene	3.31	39	16093	0.361	ppbv	97
17) tert-Butyl alcohol	4.29	59	56413	0.425	ppbv	98
18) 1,1-Dichloroethene	4.27	96	33875	0.391	ppbv	91
19) Isopropyl Alcohol	3.96	45	29371	0.443	ppbv #	91
20) Methylene Chloride	4.33	84	47121	0.526	ppbv	98
21) Allyl Chloride	4.39	41	21689	0.367	ppbv	93
22) trans-1,2-Dichloroethene	4.86	96	36902	0.403	ppbv	92
23) Vinyl Acetate	5.06	43	61379	0.411	ppbv #	92
24) 1,1-Dichloroethane	4.99	63	66198	0.407	ppbv	99
25) Ethyl Acetate	5.66	43	85216	0.388	ppbv	98
26) Hexane	5.67	57	42708	0.355	ppbv #	84
27) Carbon Disulfide	4.53	76	65634	0.366	ppbv #	96
28) Methyl tert-Butyl Ether	5.03	73	60352	0.317	ppbv	97
29) Chloroform	5.73	83	99931	0.409	ppbv	92
30) Cyclohexane	7.12	84	40382m	0.340	ppbv	
31) cis-1,2-Dichloroethene	5.53	61	33816	0.291	ppbv	90
32) 1,1,1-Trichloroethane	6.49	97	84524	0.393	ppbv	98
34) 2-Butanone	5.23	43	48724	0.351	ppbv	95
35) Carbon Tetrachloride	7.00	117	85274	0.389	ppbv	96
36) Benzene	6.87	78	83458	0.305	ppbv	96
37) 1,2-Dichloroethane	6.29	62	56730	0.398	ppbv	98
38) Trichloroethene	7.82	130	44678	0.327	ppbv	96
39) 1,2-Dichloropropane	7.59	63	36744	0.370	ppbv #	89
40) 1,4-Dioxane	7.85	88	14597	0.322	ppbv	82
41) Tetrahydrofuran	6.06	42	17306	0.247	ppbv	91
42) Bromodichloromethane	7.77	83	82628	0.360	ppbv #	99
43) Methyl Methacrylate	8.00	69	27727	0.255	ppbv	91

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

44) 2,2,4-Trimethylpentane	7.85	57	128722	0.328	ppbv #	93
45) t-1,3-Dichloropropene	9.26	75	27797	0.253	ppbv	90
46) cis-1,3-Dichloropropene	8.69	75	33839	0.250	ppbv	99
47) 1,1,2-Trichloroethane	9.46	97	52504	0.370	ppbv	96
48) Dibromochloromethane	10.29	129	69306	0.321	ppbv	98
49) Bromoform	13.03	173	53751	0.293	ppbv	97
50) 4-Methyl-2-Pentanone	8.74	43	60057	0.296	ppbv	90
51) 2-Hexanone	10.14	43	40038	0.245	ppbv #	88
52) Tetrachloroethene	11.21	164	44280	0.336	ppbv	96
53) Toluene	9.79	91	78707	0.244	ppbv	96
54) 1,2-Dibromoethane	10.60	107	74719	0.351	ppbv	95
56) 1,1,1,2-Tetrachloroethane	12.11	131	65449	0.385	ppbv #	1
57) Chlorobenzene	12.13	112	131095	0.428	ppbv #	95
58) Ethyl Benzene	12.71	91	109685m	0.269	ppbv	
59) m/p-Xylene	12.99	91	222772m	0.627	ppbv	
60) o-Xylene	13.68	91	108749	0.302	ppbv	96
61) Styrene	13.52	104	53878	0.217	ppbv	99
62) Isopropylbenzene	14.66	105	173270	0.311	ppbv	95
63) 1,1,2,2-Tetrachloroethane	13.67	83	121962	0.414	ppbv	99
64) n-propylbenzene	15.56	120	46836	0.287	ppbv #	58
65) tert-Butylbenzene	16.74	119	148927	0.294	ppbv	95
66) Benzyl Chloride	16.98	91	48748	0.317	ppbv #	89
67) sec-Butylbenzene	17.29	105	223851	0.320	ppbv	92
69) p-Isopropyltoluene	17.65	119	154463	0.271	ppbv	96
70) n-Butylbenzene	18.55	91	176105	0.300	ppbv #	88
71) 2-Chlorotoluene	15.45	91	116100	0.285	ppbv	98
72) 4-Ethyltoluene	15.84	105	109872	0.258	ppbv	97
73) 1,3,5-Trimethylbenzene	16.00	105	110916m	0.275	ppbv	
74) 1,2,4-Trimethylbenzene	16.76	105	149825	0.330	ppbv	93
75) 1,3-Dichlorobenzene	16.99	146	137144m	0.443	ppbv	
76) 1,4-Dichlorobenzene	17.13	146	107101	0.362	ppbv	98
77) 1,2-Dichlorobenzene	17.82	146	103407	0.353	ppbv	99
78) Hexachloro-1,3-Butadiene	23.38	225	61090	0.378	ppbv	98
79) Naphthalene	22.21	128	99003	0.229	ppbv	99
80) Naphthalene, 2-methyl-	24.98	142	9254	0.091	ppbv	92
81) 1,2,4-Trichlorobenzene	21.94	180	66576	0.297	ppbv	99

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

