

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL101920\
 Data File : VL035796.D
 Acq On : 19 Oct 2020 16:19
 Operator : SY/AP
 Sample : L4214-15 MDL 0.1
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

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

Quant Time: Oct 20 08:33:09 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	1082249	10.00	ppbv	-0.03
33) 1,4-Difluorobenzene	7.16	114	3979515	10.00	ppbv	-0.04
55) Chlorobenzene-d5	12.08	117	3956167	10.00	ppbv	-0.04

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	2982599	10.06	ppbv	-0.04
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.60%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.03	85	27462	0.155	ppbv	96
3) Chlorodifluoromethane	2.97	51	14930	0.128	ppbv	98
4) Chloromethane	3.12	50	7964	0.127	ppbv	93
5) Vinyl Chloride	3.24	62	8443	0.114	ppbv #	86
6) Bromomethane	3.45	94	7650m	0.122	ppbv	
7) Chloroethane	3.54	64	3186m	0.117	ppbv	
8) Dichlorotetrafluoroethane	3.17	85	27057	0.126	ppbv	98
9) Propene	2.99	41	6761	0.160	ppbv	87
10) Heptane	8.11	43	6315	0.054	ppbv	99
11) Trichlorofluoromethane	3.93	101	31669	0.125	ppbv	98
12) 1,1,2-Trichlorotrifluoroet	4.47	101	23218	0.123	ppbv	97
13) Ethanol	3.60	45	2214m	0.212	ppbv	
14) Bromoethene	3.72	108	7612	0.096	ppbv #	91
15) Acetone	3.85	43	29551	0.254	ppbv #	72
16) 1,3-Butadiene	3.31	39	4985m	0.117	ppbv	
17) tert-Butyl alcohol	4.30	59	15797	0.125	ppbv	99
18) 1,1-Dichloroethene	4.27	96	9331	0.113	ppbv	87
19) Isopropyl Alcohol	3.97	45	9429m	0.149	ppbv	
20) Methylene Chloride	4.33	84	22323	0.261	ppbv	94
21) Allyl Chloride	4.40	41	6129m	0.109	ppbv	
22) trans-1,2-Dichloroethene	4.86	96	11167	0.128	ppbv #	78
23) Vinyl Acetate	5.06	43	14250	0.100	ppbv #	82
24) 1,1-Dichloroethane	4.99	63	18787	0.121	ppbv	97
25) Ethyl Acetate	5.67	43	22831	0.109	ppbv #	96
26) Hexane	5.67	57	11548	0.101	ppbv #	81
27) Carbon Disulfide	4.53	76	18195	0.106	ppbv #	79
28) Methyl tert-Butyl Ether	5.04	73	15262	0.084	ppbv	99
29) Chloroform	5.73	83	29182	0.125	ppbv	88
30) Cyclohexane	7.14	84	22619m	0.200	ppbv	
31) cis-1,2-Dichloroethene	5.53	61	8447	0.076	ppbv #	80
32) 1,1,1-Trichloroethane	6.49	97	20805	0.101	ppbv	96
34) 2-Butanone	5.25	43	12056	0.092	ppbv	100
35) Carbon Tetrachloride	7.00	117	22064	0.106	ppbv #	95
36) Benzene	6.87	78	19108	0.074	ppbv #	91
37) 1,2-Dichloroethane	6.29	62	14923	0.110	ppbv	100
38) Trichloroethene	7.82	130	12591	0.097	ppbv #	73
39) 1,2-Dichloropropane	7.59	63	10617	0.113	ppbv #	84
40) 1,4-Dioxane	7.87	88	3541m	0.082	ppbv	
41) Tetrahydrofuran	6.07	42	3807m	0.057	ppbv	
42) Bromodichloromethane	7.78	83	22597	0.104	ppbv #	81
43) Methyl Methacrylate	8.01	69	5959m	0.058	ppbv	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.85	57	23336	0.063	ppbv	# 78
45) t-1,3-Dichloropropene	9.27	75	6695m	0.064	ppbv	
46) cis-1,3-Dichloropropene	8.69	75	8015	0.062	ppbv	# 89
47) 1,1,2-Trichloroethane	9.47	97	14021	0.104	ppbv	# 89
48) Dibromochloromethane	10.29	129	16001	0.078	ppbv	98
49) Bromoform	13.03	173	12628	0.073	ppbv	96
50) 4-Methyl-2-Pentanone	8.75	43	13259m	0.069	ppbv	
51) 2-Hexanone	10.15	43	9199m	0.059	ppbv	
52) Tetrachloroethene	11.21	164	11889m	0.095	ppbv	
53) Toluene	9.79	91	18370m	0.060	ppbv	
54) 1,2-Dibromoethane	10.60	107	18920	0.094	ppbv	94
56) 1,1,1,2-Tetrachloroethane	12.12	131	18125	0.109	ppbv	# 1
57) Chlorobenzene	12.13	112	35528	0.119	ppbv	# 94
58) Ethyl Benzene	12.70	91	23651m	0.060	ppbv	
59) m/p-Xylene	12.99	91	40583m	0.117	ppbv	
60) o-Xylene	13.68	91	25161m	0.072	ppbv	
61) Styrene	13.52	104	11272m	0.046	ppbv	
62) Isopropylbenzene	14.66	105	34225	0.063	ppbv	95
63) 1,1,2,2-Tetrachloroethane	13.67	83	32300	0.112	ppbv	99
64) n-propylbenzene	15.56	120	7030m	0.044	ppbv	
65) tert-Butylbenzene	16.75	119	27302m	0.055	ppbv	
66) Benzyl Chloride	16.99	91	15157m	0.101	ppbv	
67) sec-Butylbenzene	17.29	105	36289m	0.053	ppbv	
69) p-Isopropyltoluene	17.66	119	25146m	0.045	ppbv	
70) n-Butylbenzene	18.55	91	30273m	0.053	ppbv	
71) 2-Chlorotoluene	15.45	91	24827m	0.063	ppbv	
72) 4-Ethyltoluene	15.83	105	20065m	0.048	ppbv	
73) 1,3,5-Trimethylbenzene	16.00	105	19661m	0.050	ppbv	
74) 1,2,4-Trimethylbenzene	16.76	105	25792m	0.058	ppbv	
75) 1,3-Dichlorobenzene	16.99	146	39787m	0.132	ppbv	
76) 1,4-Dichlorobenzene	17.14	146	26041m	0.090	ppbv	
77) 1,2-Dichlorobenzene	17.82	146	22705m	0.080	ppbv	
78) Hexachloro-1,3-Butadiene	23.38	225	17350m	0.110	ppbv	
79) Naphthalene	22.21	128	20776m	0.049	ppbv	
81) 1,2,4-Trichlorobenzene	21.94	180	15567m	0.071	ppbv	

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

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