

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL030920\
 Data File : VL034856.D
 Acq On : 10 Mar 2020 2:28
 Operator : SY/AP
 Sample : L1161-14 0.5 LOQ
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-01-QT1-2020

Manual Integrations
 APPROVED

MMDadoda
 3/11/2020 3:26:16 PM

Quant Time: Mar 11 14:18:18 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL030920AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Mar 0
 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	876361	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	1975131	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.11	117	1954578	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.44	95	1588561	10.42	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	104.20%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	3.01	85	84179	0.701 ppbv	94
3) Chlorodifluoromethane	2.95	51	52176	0.533 ppbv	98
4) Chloromethane	3.10	50	31667	0.572 ppbv	91
5) Vinyl Chloride	3.22	62	27763	0.522 ppbv #	75
6) Bromomethane	3.44	94	16294	0.526 ppbv	85
7) Chloroethane	3.52	64	10183m	0.530 ppbv	
8) Dichlorotetrafluoroethane	3.15	85	70240	0.564 ppbv	97
9) Propene	2.97	41	23611	0.505 ppbv	98
10) Heptane	8.12	43	55286m	0.481 ppbv	
11) Trichlorofluoromethane	3.92	101	71866	0.563 ppbv	93
12) 1,1,2-Trichlorotrifluoroet	4.46	101	50079	0.560 ppbv	96
13) Ethanol	3.59	45	8402m	0.591 ppbv	
14) Bromoethene	3.71	108	20030	0.519 ppbv	95
15) Acetone	3.83	43	64081	0.564 ppbv	91
16) 1,3-Butadiene	3.29	39	24047	0.468 ppbv	97
17) tert-Butyl alcohol	4.28	59	66530	0.608 ppbv	96
18) 1,1-Dichloroethene	4.27	96	21491m	0.543 ppbv	
19) Isopropyl Alcohol	3.95	45	41727	0.582 ppbv #	43
20) Methylene Chloride	4.32	84	23295m	0.649 ppbv	
21) Allyl Chloride	4.39	41	36645	0.502 ppbv	96
22) trans-1,2-Dichloroethene	4.86	96	21299	0.531 ppbv	95
23) Vinyl Acetate	5.06	43	87383	0.521 ppbv #	96
24) 1,1-Dichloroethane	4.99	63	61771	0.549 ppbv	98
25) Ethyl Acetate	5.67	43	103483	0.511 ppbv	98
26) Hexane	5.67	57	43877	0.504 ppbv	91
27) Carbon Disulfide	4.53	76	42674	0.432 ppbv #	73
28) Methyl tert-Butyl Ether	5.02	73	69375	0.479 ppbv	99
29) Chloroform	5.74	83	70008	0.527 ppbv	85
30) Cyclohexane	7.13	84	32321	0.445 ppbv	91
31) cis-1,2-Dichloroethene	5.53	61	44249	0.497 ppbv	95
32) 1,1,1-Trichloroethane	6.50	97	71665m	0.553 ppbv	
34) 2-Butanone	5.24	43	66176	0.504 ppbv	99
35) Carbon Tetrachloride	7.01	117	66280	0.540 ppbv	86
36) Benzene	6.89	78	87167	0.495 ppbv	98
37) 1,2-Dichloroethane	6.30	62	54748	0.552 ppbv	100
38) Trichloroethene	7.84	130	34969m	0.523 ppbv	
39) 1,2-Dichloropropane	7.62	63	34489	0.494 ppbv #	88
40) 1,4-Dioxane	7.88	88	14157m	0.537 ppbv	
41) Tetrahydrofuran	6.06	42	31813m	0.448 ppbv	
42) Bromodichloromethane	7.79	83	66547	0.492 ppbv #	91
43) Methyl Methacrylate	8.03	69	36043	0.486 ppbv	96

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44) 2,2,4-Trimethylpentane	7.87	57	148832m	0.500	ppbv	
45) t-1,3-Dichloropropene	9.29	75	34006m	0.390	ppbv	
46) cis-1,3-Dichloropropene	8.71	75	41915m	0.405	ppbv	
47) 1,1,2-Trichloroethane	9.49	97	40448m	0.565	ppbv	
48) Dibromochloromethane	10.32	129	47244m	0.408	ppbv	
49) Bromoform	13.07	173	41304	0.400	ppbv	96
50) 4-Methyl-2-Pentanone	8.76	43	92852	0.491	ppbv	100
51) 2-Hexanone	10.17	43	68529m	0.446	ppbv	
52) Tetrachloroethene	11.24	164	33649m	0.483	ppbv	
53) Toluene	9.82	91	88011	0.433	ppbv	98
54) 1,2-Dibromoethane	10.63	107	53539	0.497	ppbv	94
56) 1,1,1,2-Tetrachloroethane	12.15	131	44648m	0.509	ppbv	
57) Chlorobenzene	12.17	112	83552m	0.546	ppbv	
58) Ethyl Benzene	12.74	91	131595m	0.497	ppbv	
59) m/p-Xylene	13.02	91	224111m	1.011	ppbv	
60) o-Xylene	13.72	91	118319	0.546	ppbv	96
61) Styrene	13.55	104	64752m	0.426	ppbv	
62) Isopropylbenzene	14.70	105	173272m	0.529	ppbv	
63) 1,1,2,2-Tetrachloroethane	13.70	83	80907	0.550	ppbv	97
64) n-propylbenzene	15.59	120	38579m	0.453	ppbv	
65) tert-Butylbenzene	16.78	119	136094m	0.476	ppbv	
66) Benzyl Chloride	17.03	91	44022m	0.369	ppbv	
67) sec-Butylbenzene	17.33	105	193437	0.487	ppbv	94
69) p-Isopropyltoluene	17.68	119	155906m	0.469	ppbv	
70) n-Butylbenzene	18.59	91	159966	0.471	ppbv	98
71) 2-Chlorotoluene	15.48	91	124168	0.501	ppbv	100
72) 4-Ethyltoluene	15.86	105	122487	0.479	ppbv	97
73) 1,3,5-Trimethylbenzene	16.02	105	112780	0.471	ppbv	88
74) 1,2,4-Trimethylbenzene	16.79	105	125729	0.510	ppbv #	91
75) 1,3-Dichlorobenzene	17.03	146	81669	0.549	ppbv	99
76) 1,4-Dichlorobenzene	17.18	146	76863m	0.518	ppbv	
77) 1,2-Dichlorobenzene	17.86	146	72069	0.500	ppbv	96
78) Hexachloro-1,3-Butadiene	23.42	225	54766m	0.455	ppbv	
79) Naphthalene	22.26	128	57203m	0.297	ppbv	
81) 1,2,4-Trichlorobenzene	21.99	180	45340m	0.371	ppbv	

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

